5663

STR-AV900/AV1000

SERVICE MANUAL

US Model
Canadian Model

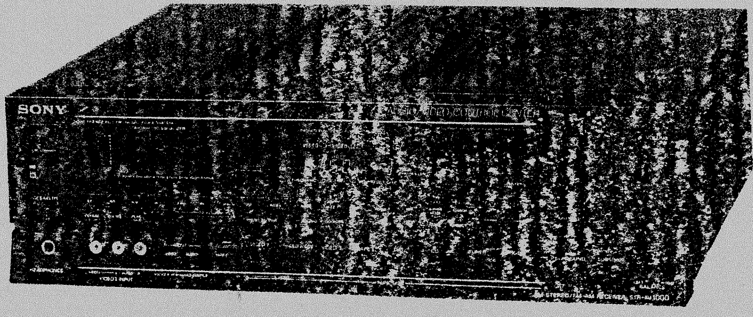

PHOTO: STR-AV1000

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8-ohm load, both channels driven, from 20-20,000 Hz, rated 120 watts (STR-AV1000) or 100 watts (STR-AV900) per channel minimum RMS power, with no more than 0.008% (STR- AV1000) or 0.03% (STR-AV900) total harmonic distortion from 250 milliwatts to rated output.

Other Specifications

Amplifier section

Dynamic power output
    STR-AV1000
    195 watts + 195 watts (8 ohms, at 1 kHz IHF)
    250 watts + 250 watts (4 ohms, at 1 kHz IHF)
    STR-AV900
    140 watts + 140 watts (8 ohms, at 1 kHz IHF)
    190 watts + 190 watts (4 ohms, at 1 kHz IHF)
Harmonic distortion
    STR-AV1000: Less than 0.008 % at rated output
    STR-AV900: Less than 0.03 % at rated output
Intermodulation (IM) distortion
    STR-AV1000: Less than 0.008% at rated output
    STR-AV900. Less than 0.03 % at rated output
Frequency response
    PHONO:RIAA equalization curve ±0.5 dB
    CD, DAT, TAPE 1,2 / VIDEO 1, 2/CDV, 3 } 5 Hz – 80 kHz $^{+0}_{+1}$ dB

Residual noise	Less than 70μV (8 ohms, network A)
Damping factor	50 (8 ohms, 1 kHz)

Inputs

	Sensitivity	Impedance	S/N
PHONO MM	2.5 mV	50 kilohms	87 dB 79dB* (A, 2.5mV)
DAT, CD, VIDEO 1,2,3 TAPE 1,2	150 mV	50 kilohms	105dB 86 dB* (A,150mV)

*'78 IHF

Outputs	DAT OUT, REC OUT 1.2, VIDEO 1 Voltage 150 mV Impedance 10 kilohms SPEAKER A, B Accepts speakers of 8-16 ohms. HEADPHONES Accepts high and low immpedance headphones
Subsonic filter	6 dB/oct. attenuation below 15 Hz
Muting	−20 dB
Graphic Equalizer	±10 dB at 63 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, and 14 kHz

Video section

Inputs	VIDEO 1, 2, 3: 1Vp-p, 75 ohms
Outputs	VIDEO 1, MONITOR: 1Vp-p, 75 ohms

—Continued on page 2—

MICROFILM

FM STEREO/FM-AM RECEIVER

SONY®

FM tuner section

Frequency range	87.5 MHz – 107.9 MHz
Antenna terminals	75 ohms, coaxial
Sensitivity at 50 dB	18.3 dBf, 4.5 μV (mono) 38.8 dBf, 45 μV (stereo)
Usable sensitivity	11.2 dBf, 2 μV (IHF)
Single-to-noise ratio	82 dB (mono), 76 dB (stereo)
Harmonic distortion	0.1% (mono), 0.2% (stereo) at 1 kHz
IM distortion	0.1% (mono), 0.2% (stereo)
Seperation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz $^{+0.5}_{-1.5}$ dB
Selectivity	60 dB at 400 kHz
Capture ratio	1.2 dB
AM suppression ratio	54 dB
Image response ratio	80 dB
IF response ratio	90 dB
Spurious response ratio	100 dB
RF Intermodulation	65 dB (800 kHz)
Auto tuning threshold	LOW 30 dBf, HIGH 50 dBf

AM tuning section

Frequency range	530 – 1,610 kHz (with 10 kHz interval) 531 – 1,602 kHz (with 9 kHz interval)
Antenna	Loop antenna
Usable sensitivity	500 μV (at 1,000 kHz or 999 kHz)
Signal-to-noise ratio	54 dB (at 50 mV/m)
Harmonic distortion	0.3% (50 mV/m, 400 Hz)
Selectivity	35 dB (9 kHz), 40 dB (10 kHz)
Auto tuning threshold	55 dB

General

System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section:low-noise NF type equalizer Power amplifier section:pure complementary SEPP
Power requirements	120V AC, 60Hz
Power consumption	STR-AV1000: 210 watts STR-AV900: 170 watts
AC outlets	Two switched, total 100W
Dimensions	Approx. 430x130x356mm (w/h/d) (17x5$^1/_8$x14$^1/_8$ inches) Including projecting parts and controls
Weight	
STR-AV1000	Approx. 8.3 kg (18 lb 5 oz) net
STR-AV900	Approx. 7.3 kg (16 lb 2 oz) net
Accessories supplied	FM ribbon antenna (1) AM loop antenna (1) Remote Commander (1, RM-P101 for STR-AV1000, RM-U80 for STR-AV900) External antenna connector (1) Sony Batteries SUM-3 (NS) (4 for RM-P101 Remote Commander and 2 for RM-U80 Remote Commander)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

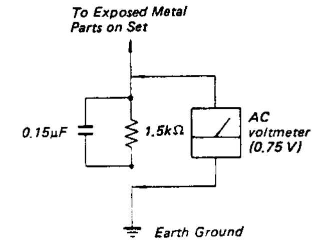
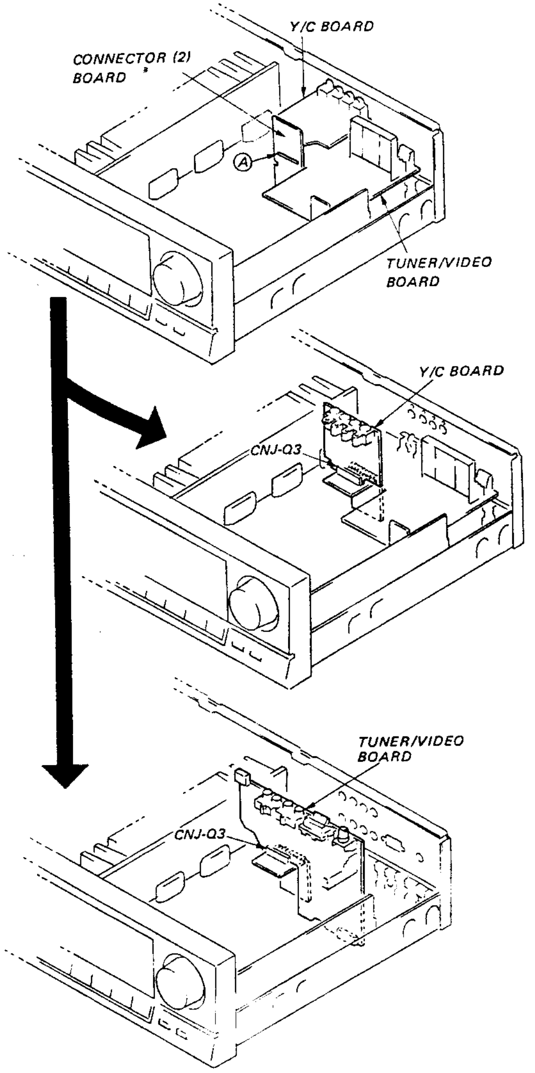


Fig. A. Using an AC voltmeter to check AC leakage.

SERVICING NOTE

- When servicing TUNER/VIDEO BOARD and Y/C BOARD, pull the upper half of CONNECTOR (2) BOARD backward to bend at the portion Ⓐ, and connect one of the boards to CNJ-Q3.

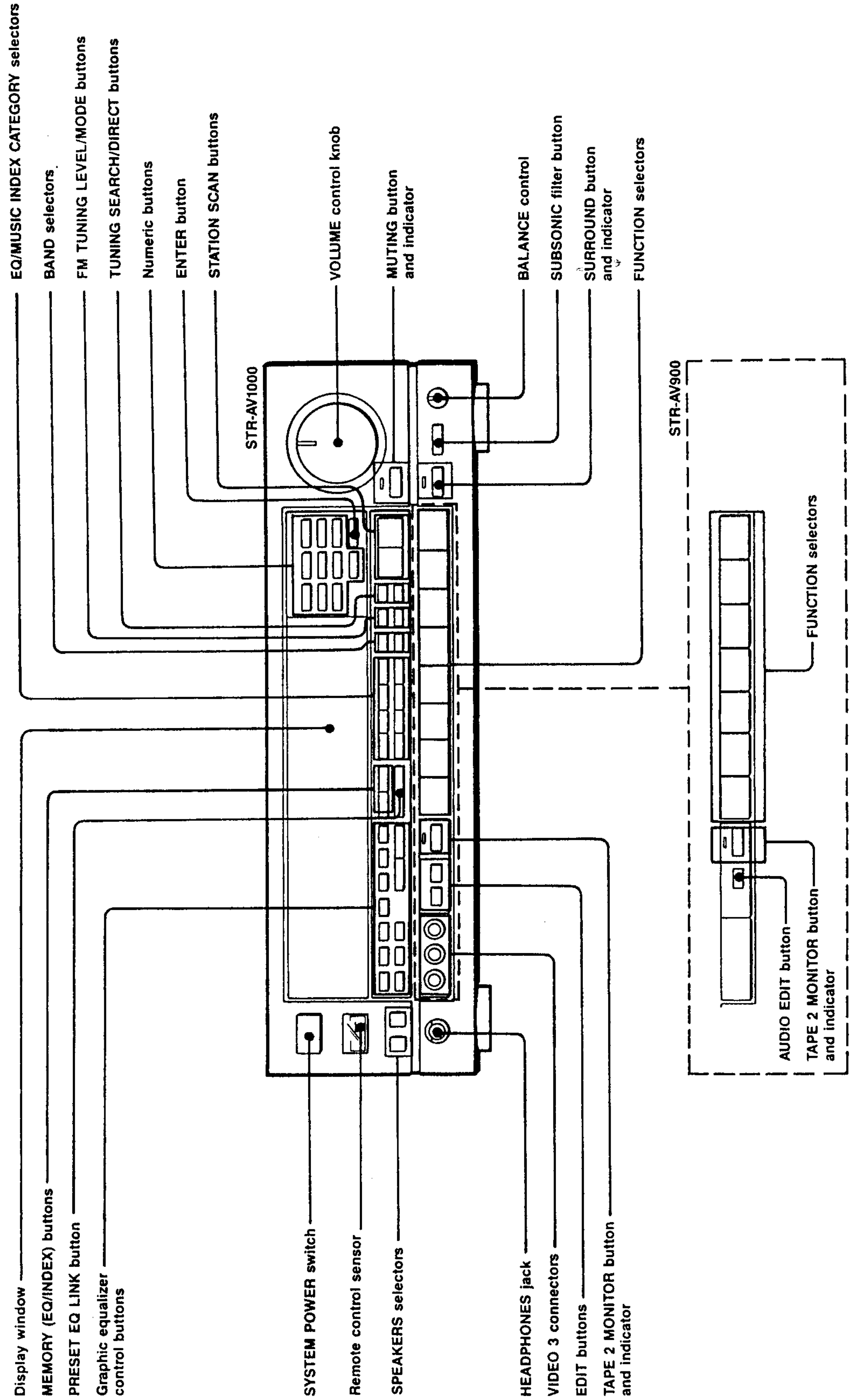
After servicing return each board to normal state.



SECTION 1 GENERAL

Parts Identification

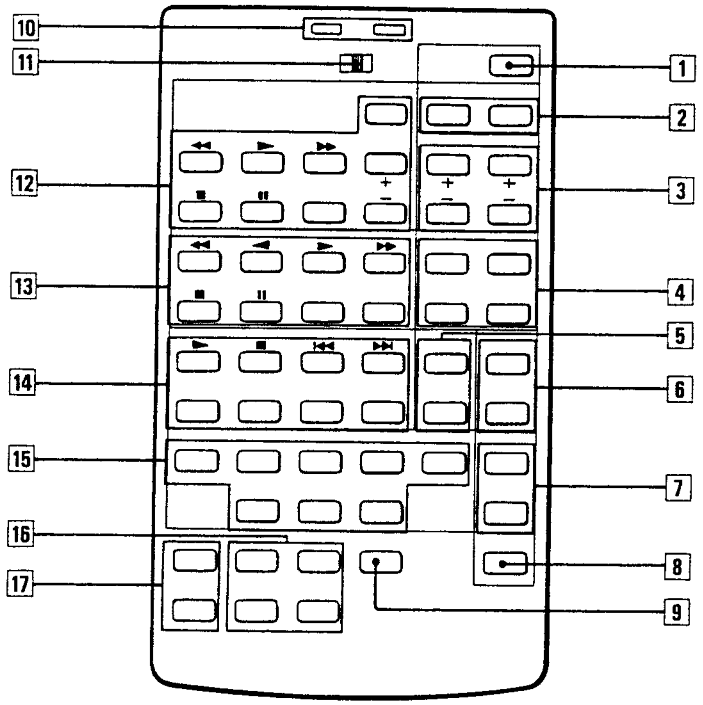
Front Panel


EQ/MUSIC INDEX CATEGORY selectors
BAND selectors
FM TUNING LEVEL/MODE buttons
TUNING SEARCH/DIRECT buttons
Numeric buttons
ENTER button
STATION SCAN buttons
VOLUME control knob
MUTING button and indicator
BALANCE control
SUBSONIC filter button
SURROUND button and indicator
FUNCTION selectors
STR-AV1000
STR-AV900
FUNCTION selectors
AUDIO EDIT button
TAPE 2 MONITOR button and indicator
Display window
MEMORY (EQ/INDEX) buttons
PRESET EQ LINK button
Graphic equalizer control buttons
SYSTEM POWER switch
Remote control sensor
SPEAKERS selectors
HEADPHONES jack
VIDEO 3 connectors
EDIT buttons
TAPE 2 MONITOR button and indicator

Parts Identification

Programmable System Commander RM-P101 (supplied with the STR-AV1000)

The Programmable System Commander RM-P101 supplied with the STR-AV1000 can learn various functions of other remote commanders emitting infrared rays.
When it is set to SONY STD (Sony Standard) by the mode selector, its buttons can be used to perform the functions below.



1 POWER ON/OFF button
Turns on/off the receiver.

2 POWER ON/OFF buttons
TV: Turns on/off the TV.
VTR: Turns on/off the VCR 1, 2 or 3.

3 TV operation buttons
TV CH: Channel select buttons
TV VOL: Volume control buttons

4 Spare buttons
Functions of other remote commanders can be learned on these buttons.

5 PHONO buttons
START: Starts record play.
STOP: Stops record play.

6 TUNER PRESET buttons
+: Selects a higher preset channel number.
−: Selects a lower preset channel number.

7 VOLUME control buttons

8 MUTING button

9 SURROUND ON/OFF button

10 LEARNED and READY indicators
LEARNED: Lights up when learning of a function of other commander is complete.
READY: Lights up when the commander is ready to learn a function of other commander.

11 Mode selector
LEARN: To perform learning function.
SONY STD.: To operate the commander on Sony Standard.
USER STD.: To use the learned functions.

12 VTR operation buttons
◀◀: Rewind
▶: Play
▶▶: Fast forward
TV/VTR: Select the output signal from the VCR, either a TV signal or VCR programs.
VTR CH: VCR channel select buttons
■: Stop
❚❚: Pause
●: Recording (While you press ●, press ▶)
When the mode selector is set to USER STD., these buttons control a Sony 8mm VCR.

13 TAPE deck operation buttons
◀◀: Reverse fast winding
◀: Reverse play
▶: Forward play
▶▶: Forward fast winding
■: Stop
❚❚: Pause
●: Recording (While you press ●, press ◀ or ▶.)
○: Record muting
When the mode selector is set to USER STD, these buttons control the tape in the "B" deck of a Sony double-deck uit.

14 CD player operation buttons
▶: Starts play.
■: Stops play.
⏮/⏭: AMS (Automatic Music Sensor)
DISC SELECT: Effective only when the connected CD player is equipped with a disc changer.
REPEAT: Repeat play
SHUFFLE: Shuffle play
PGM: Program play

15 Function selectors

16 GRAPHIC EQUALIZER control buttons
FREQ: Frequency select buttons
+: Selects a higher frequency.
−: Selects a lower frequency.
LEVEL: Level select button

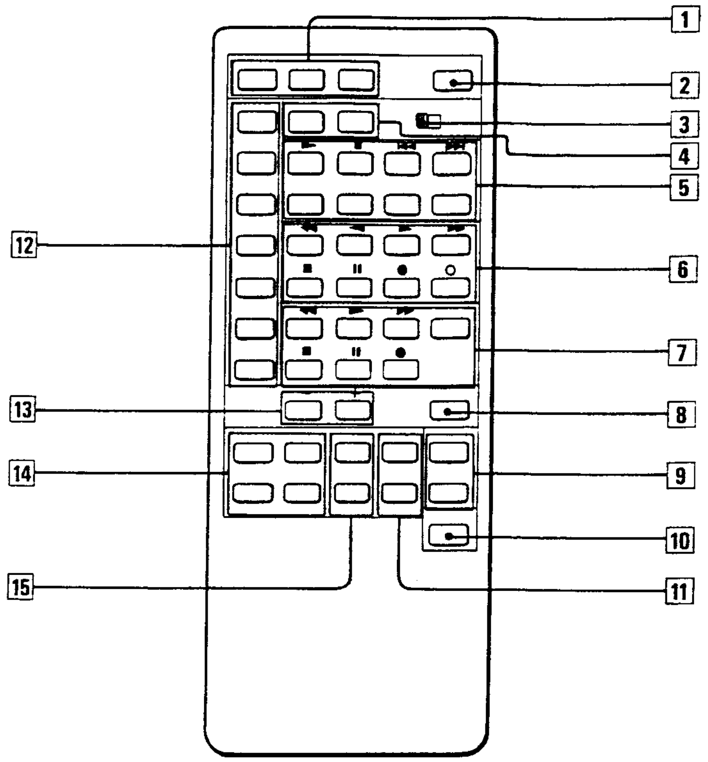
17 Music Index select buttons
+: Each time you press this button, a different Music Index is selected in the following order:
┌→OPTION 2→ROCK ——→JAZZ ——→POPS ┐
└─OPTION 1←COUNTRY←CLASSIC←TALK ←┘
−: A different Music Index is selected in the order reverse to "+".

Notes
- When the CONTROL S OUT connector is connected to the CONTROL S IN connector of each equipment, you can control the connected equipment using this remote commander.
- SHUFFLE and PGM modes of some CD players cannot be cleared by this remote commander. In such case, clear the modes using the CD player itself or with the remote commander supplied with the CD player.

- When the system is in the LINK ON state, those index categories under which no broadcasting stations have been preset cannot be selected.

Note on the ● (recording) button under 12 VTR operation buttons
If your VCR is of such type as pressing ● puts it in REC PAUSE mode, first press ● on this commander and then ❚❚.

Remote Commander RM-U80 (supplied with STR-AV900)



Notes
- When the CONTROL S OUT connector is connected to the CONTROL S IN connector of each equipment, you can control the connected equipment using this remote commander.
- SHUFFLE and PGM modes of some CD players cannot be cleared by this remote commander. In such case, clear the modes using the CD player itself or with the remote commander supplied with the CD player.

- When the system is in the LINK ON state, those index categories under which no broadcasting stations have been preset cannot be selected.

Note on the ● (recording) button under 7 VTR operation buttons
If your VCR is of such type as pressing ● puts it in REC PAUSE mode, first press ● on this commander and then ❚❚.

1 POWER ON/OFF buttons
TV: Turns on/off the TV.
VTR: Turns on/off the VCR 1 or 2.
AUDIO: Turns on/off the receiver.

2 SYSTEM POWER OFF button
Turns off the receiver, TV, VCR 1 and 2.

3 TAPE and VTR selector
TAPE A: Selects the tape in a single-deck unit or the tape in the "A" deck of a double-deck unit.
TABE B: Selects the tape in the "B" deck of a double-deck unit.
VTR1/2: If your VCR has a command mode selector, set this switch to the same position as that of the command mode selector.
If not, set this switch to VTR1.

4 PHONO buttons
START: Starts record play.
STOP: Stops record play.

5 CD player operation buttons
▶: Starts play.
■: Stops play.
⏮/⏭: AMS (Automatic Music Sensor)
D. SELECT: Effective only when the connected CD player is equipped with a disc changer.
REPEAT: Repeat play
SHUFFLE: Shuffle play
PGM: Program play

6 TAPE deck operation buttons
◀◀: Reverse fast winding
◀: Reverse play
▶: Forward play
▶▶: Forward fast winding
■: Stop
❚❚: Pause
●: Recording (While you press ●, press ◀or ▶.)
○: Record muting

7 VTR operation buttons
◀◀: Rewind
▶: Play
◀◀: Fast forward
TV/VTR: Select the output signal from the VCR, either a TV signal or VCR programs.
■: Stop
❚❚: Pause
●: Recording (While you press ●, press ▶.)

8 SURROUND ON/OFF button

9 VOLUME control buttons

10 MUTING button

11 TUNER PRESET buttons
+: Selects a higher preset channel number.
−: Selects a lower preset channel number.

12 FUNCTION selectors

13 Music Index select buttons
+: Each time you press this button, a different Music Index is selected in the following order:
┌→OPTION 2→ROCK ——→JAZZ ——→POPS ┐
└─OPTION 1←COUNTRY←CLASSIC←TALK ←┘
−: A different Music Index is selected in the order reverse to "+".

14 TV operation buttons
TV CH: Channel select buttons
TV VOL: Volume control buttons

15 VTR CH: VCR channel select buttons

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nander.
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clear the
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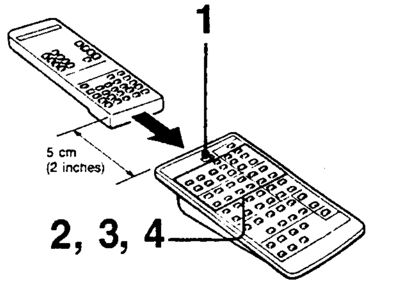
preset cannot

operation

1 REC PAUSE
l.

Using the Learning Function of the Programmable System Commnander RM-P101 (for STR-AV1000)


1
5 cm
(2 inches)
2, 3, 4

1 **Set the mode selector to LEARN.**
The READY indicator lights up.

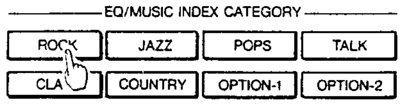
2 **Turn this commander towards another commander and press any button in the programmable area on which you want a function of the other commander to be memorized.**
If the selected button is inoperative, the READY indicator flickers.

3 **While keeping the button pressed, press the desired function button on the other commander.**
The function is memorized by this unit. When the memorization is complete, the READY indicator goes out and the LEARNED indicator lights up.

4 **Release the button.**
The LEARNED indicator goes out and the READY indicator lights up to indicate that the next learning is ready to start.

Sound Quality Adjustment

Selecting a standard equalization curve for each music You can readily enjoy a music with a standard equalization curve factory-preset for the category of that music. If you are to listen to a rock music for example, press the EQ/MUSIC INDEX CATEGORY button marked "ROCK."


EQ/MUSIC INDEX CATEGORY
ROCK
JAZZ
POPS
TALK
CLA
COUNTRY
OPTION-1
OPTION-2

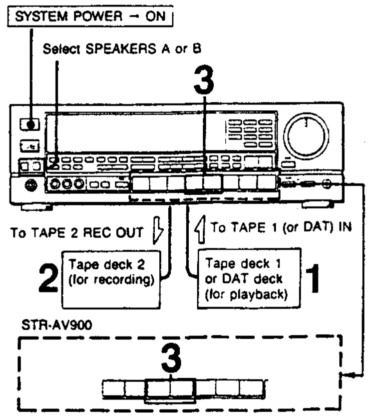
Note
This operation cannot be performed while the DEFEAT or the LINK indicator is lit. Press the DEFEAT or the PRESET EQ LINK button to make the indicator go out.

Creating and/or Memorizing a New Equalization Curve

Enjoying the surround sound
Press SURROUND when listening to a stereo source.
Press again to turn off the effect.

Reducing unwanted subsonic noise components created by warped records, etc.
Press SUBSONIC.
Press again to disengage the subsonic filter.

Tape Dubbing


SYSTEM POWER → ON
Select SPEAKERS A or B
3
To TAPE 2 REC OUT
To TAPE 1 (or DAT) IN
2
Tape deck 2
(for recording)
Tape deck 1
or DAT deck
(for playback)
1
STR-AV900
3

1 **Insert the recorded tape into tape deck 1 (or the DAT deck).**

2 **Insert a blank tape into tape deck 2 and adjust the recording level.**

3 **Press TAPE 1 (or DAT).**

4 **Start the playback of the tape (or the DAT) in tape deck 1 (or the DAT deck), and set tape deck 2 in the recording mode.**
Dubbing will start.

Note on recording
The settings of the VOLUME, SURROUND, BALANCE, SOBSONIC, and graphic equalizer do not have any effect on recording.

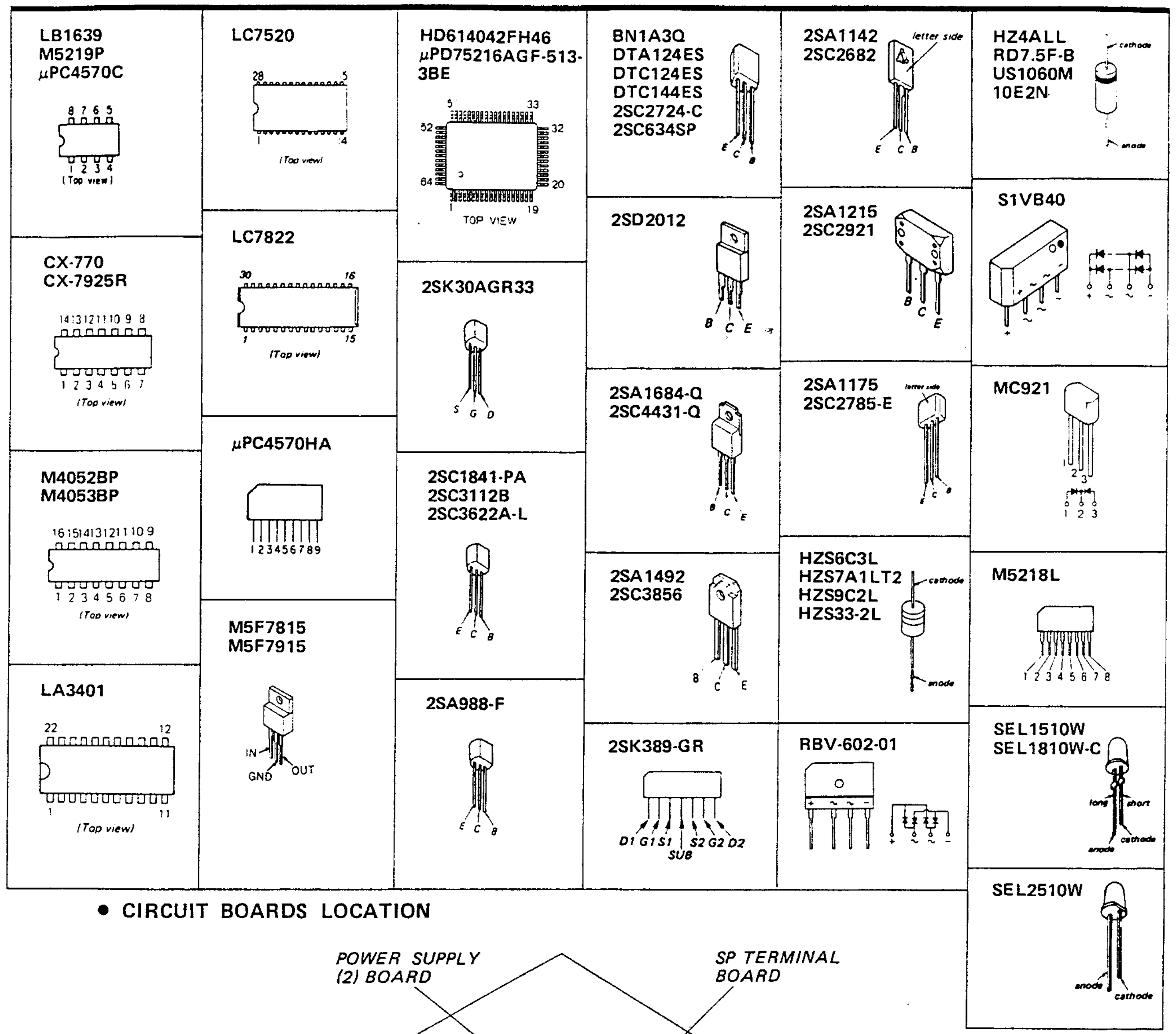
Monitoring the recorded sound
If you have connected a tape deck having separate record and playback heads to the TAPE 2 jacks, you can monitor the recording results. While recording or dubbing, press the TAPE 2 MONITOR button. To listen to the source sound again, press the button again.

Note on tape dubbing
Tape dubbing is possible only in the following directions:

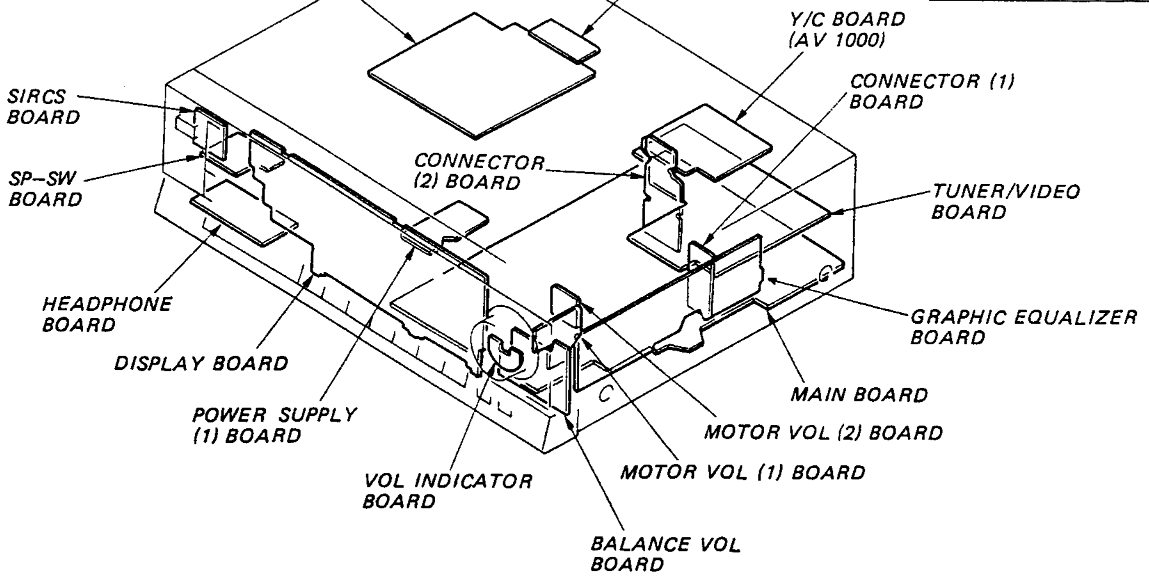
From (playback side)	To (recording side)	FUNCTION selector to be pressed
Tape deck connected to TAPE 1 IN	Tape deck connected to TAPE 2 REC OUT	TAPE 1
	DAT deck connected to DAT REC OUT	
DAT deck connected to DAT IN	Tape deck connected to TAPE 1 or 2 REC OUT	DAT

SECTION 2
DIAGRAMS

2-1. SEMICONDUCTOR LEAD LAYOUTS.


LB1639
M5219P
μPC4570C
8 7 6 5
1 2 3 4
(Top view)
LC7520
28
5
1
4
(Top view)
HD614042FH46
μPD75216AGF-513-3BE
5
33
52
32
64
20
1
19
TOP VIEW
BN1A3Q
DTA124ES
DTC124ES
DTC144ES
2SC2724-C
2SC634SP
E C B
2SA1142
2SC2682
letter side
E C B
HZ4ALL
RD7.5F-B
US1060M
10E2N
cathode
anode
CX-770
CX-7925R
14 13 12 11 10 9 8
1 2 3 4 5 6 7
(Top view)
LC7822
30
16
1
15
(Top view)
2SK30AGR33
S G D
2SD2012
B C E
2SA1215
2SC2921
B C E
S1VB40
+ ~ ~ −
μPC4570HA
1 2 3 4 5 6 7 8 9
2SA1684-Q
2SC4431-Q
B C E
2SA1175
2SC2785-E
letter side
E C B
MC921
1 2 3
M4052BP
M4053BP
16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
(Top view)
2SC1841-PA
2SC3112B
2SC3622A-L
E C B
M5F7815
M5F7915
IN
GND
OUT
2SA1492
2SC3856
B C E
HZS6C3L
HZS7A1LT2
HZS9C2L
HZS33-2L
cathode
anode
M5218L
1 2 3 4 5 6 7 8
LA3401
22
12
1
11
(Top view)
2SA988-F
E C B
2SK389-GR
D1 G1 S1 SUB S2 G2 D2
RBV-602-01
+ ~ ~ −
SEL1510W
SEL1810W-C
long
short
anode
cathode
SEL2510W
anode
cathode

- CIRCUIT BOARDS LOCATION


POWER SUPPLY (2) BOARD
SP TERMINAL BOARD
Y/C BOARD (AV 1000)
CONNECTOR (1) BOARD
SIRCS BOARD
SP-SW BOARD
CONNECTOR (2) BOARD
TUNER/VIDEO BOARD
HEADPHONE BOARD
GRAPHIC EQUALIZER BOARD
DISPLAY BOARD
MAIN BOARD
POWER SUPPLY (1) BOARD
MOTOR VOL (2) BOARD
VOL INDICATOR BOARD
MOTOR VOL (1) BOARD
BALANCE VOL BOARD

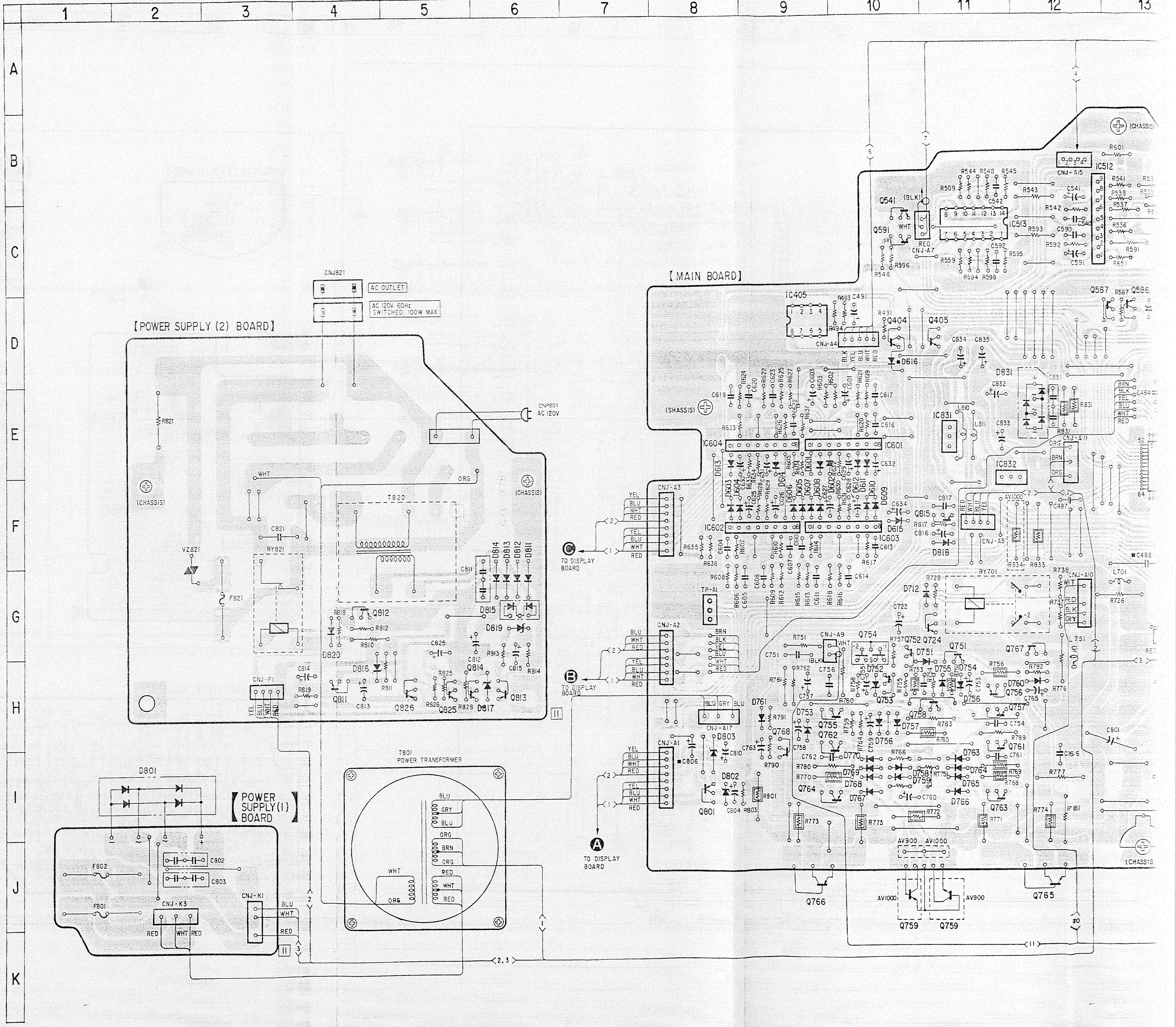
2-2. PRINTED WIRING BOARDS

— Main Section —

- See page 8 for semiconductor lead layouts.

● Semiconductor Locations

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D331	E-22	D719	I-16	IC406	G-18	Q708	H-16
D332	E-21	D720	I-16	IC501	H-27	Q709	J-16
D481	F-15	D751	H-11	IC502	H-25	Q711	I-17
D482	F-14	D752	H-10	IC503	H-27	Q712	H-15
D483	G-14	D753	H-9	IC504	I-21	Q713	I-17
D501	I-26	D754	H-11	IC505	I-22	Q714	I-15
D548	C-22	D755	H-11	IC506	I-22	Q715	J-17
D601	E-9	D756	H-10	IC507	I-23	Q716	J-14
D602	E-10	D757	H-10	IC508	I-24	Q717	I-17
D603	F-8	D758	I-10	IC509	I-24	Q718	H-15
D604	F-8	D759	I-10	IC510	I-23	Q721	G-14
D605	F-9	D760	H-12	IC511	C-13	Q722	G-14
D606	F-9	D761	H-9	IC512	C-12	Q723	G-14
D607	F-9	D763	I-11	IC513	C-11	Q724	G-11
D608	F-9	D764	I-11	IC601	E-10	Q751	H-11
D609	F-10	D765	I-11	IC602	E-9	Q752	H-10
D610	F-10	D766	I-11	IC603	F-10	Q753	H-10
D611	E-10	D767	I-10	IC604	E-9	Q754	H-10
D612	E-10	D768	I-10	IC831	E-11	Q755	H-10
D613	E-8	D769	I-10	IC832	F-11	Q756	H-11
D614	E-9	D770	I-10			Q757	H-11
D615	F-10	D801	I-2	Q401	G-18	Q758	H-11
D616	D-10	D802	I-8	Q402	H-18	Q759	
D701	H-16	D803	I-8	Q403	H-18	(AV 900)	J-11
D702	H-16	D811	G-6	Q404	D-10	(AV1000)	J-10
D703	H-15	D812	G-6	Q405	D-11	Q761	I-11
D704	H-16	D813	G-6	Q451	G-18	Q762	I-10
D705	H-16	D814	G-6	Q531	C-14	Q763	I-11
D706	H-16	D815	G-6	Q532	D-14	Q764	I-10
D707	H-16	D816	H-4	Q541	C-10	Q765	J-12
D708	I-16	D817	H-6	Q585	D-13	Q766	J-9
D709	I-16	D818	F-11	Q586	D-13	Q767	G-12
D710	I-17	D819	G-6	Q587	D-13	Q768	I-9
D711	H-15	D820	G-4	Q591	C-10	Q801	I-8
D712	G-11	D831	E-12	Q701	H-16	Q811	H-4
D713	I-16			Q702	H-16	Q812	G-4
D714	I-16	IC401	B-17	Q703	H-16	Q813	H-6
D715	I-16	IC402	D-17	Q704	H-16	Q814	H-6
D716	I-16	IC403	D-15	Q705	H-15	Q815	F-11
D717	I-16	IC404	E-13	Q706	H-17	Q825	H-5
D718	I-16	IC405	D-9	Q707	H-17	Q826	H-5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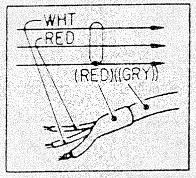
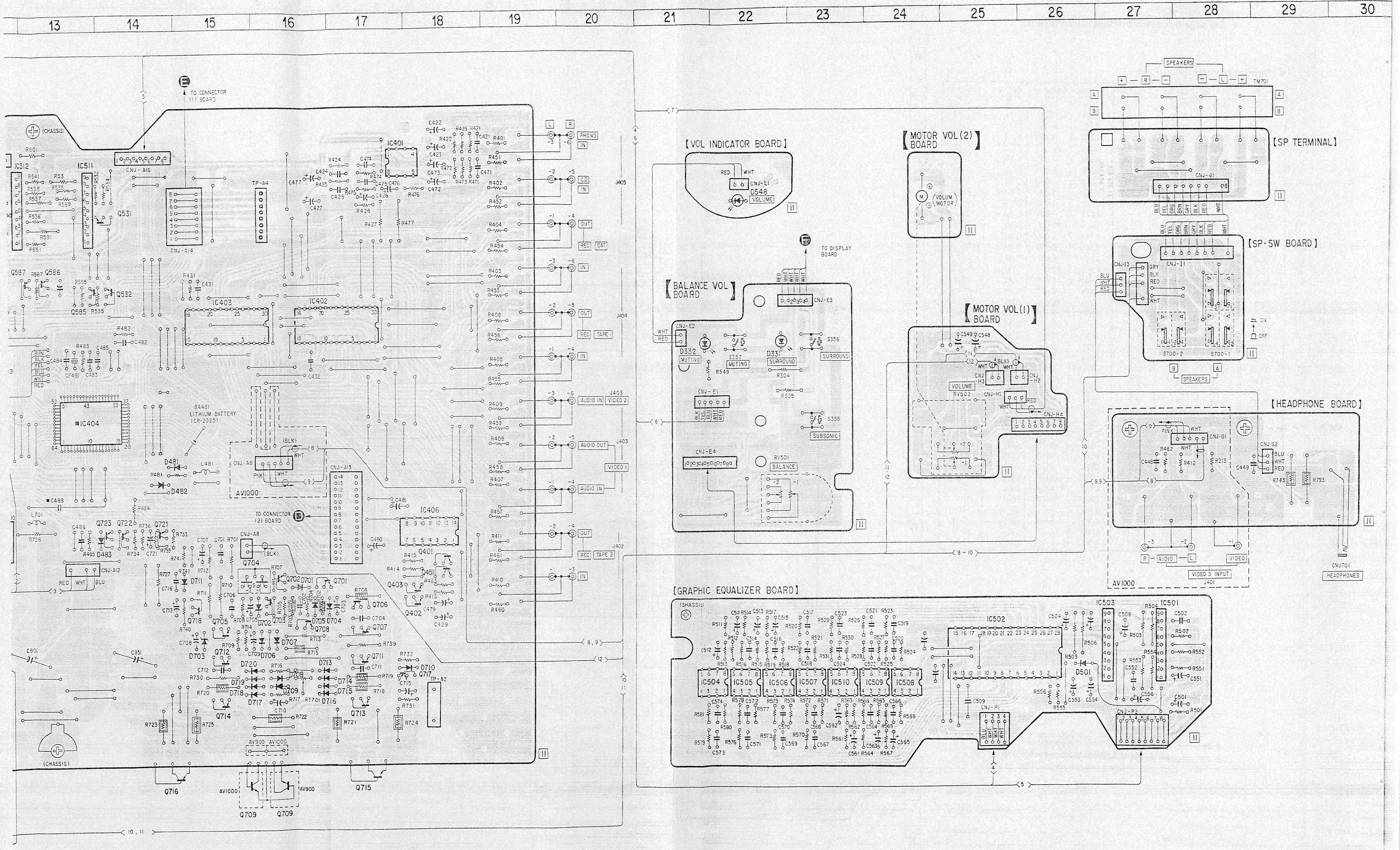
J
K
[POWER SUPPLY (2) BOARD]
[MAIN BOARD]
POWER SUPPLY (1) BOARD
CNJ821
AC OUTLET
AC 120V 60Hz SWITCHED 100W MAX
CNP801 AC 120V
T820
T801 POWER TRANSFORMER
RY821
VZ821
F821
R821
C821
(CHASSIS)
D801
F802
F801
C802
C803
CNJ-K3
CNJ-K1
CNJ-F1
TO DISPLAY BOARD
IC405
IC512
IC513
IC601
IC602
IC603
IC604
IC831
IC632
Q541
Q591
Q404
Q405
Q587
Q586
Q751
Q752
Q753
Q754
Q755
Q756
Q757
Q758
Q759
Q761
Q762
Q763
Q764
Q765
Q766
Q767
Q801
Q811
Q812
Q813
Q814
Q825
Q826
D815
D817
D819
D820
D616
D615
D618
D712
D751
D755
D761
D802
D803
RY701
TP-A1
CNJ-A1
CNJ-A2
CNJ-A3
CNJ-A4
CNJ-A5
CNJ-A7
CNJ-A9
CNJ-A10
CNJ-A11
CNJ-A15
CNJ-A17
AV900
AV1000
YEL
BLU
WHT
RED
BRN
BLK
GRY
ORG

Note on Printed Wiring Diagrams:

- Color code or sleeving over the end of the jacket.


WHT
RED
(RED)(GRY)

- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.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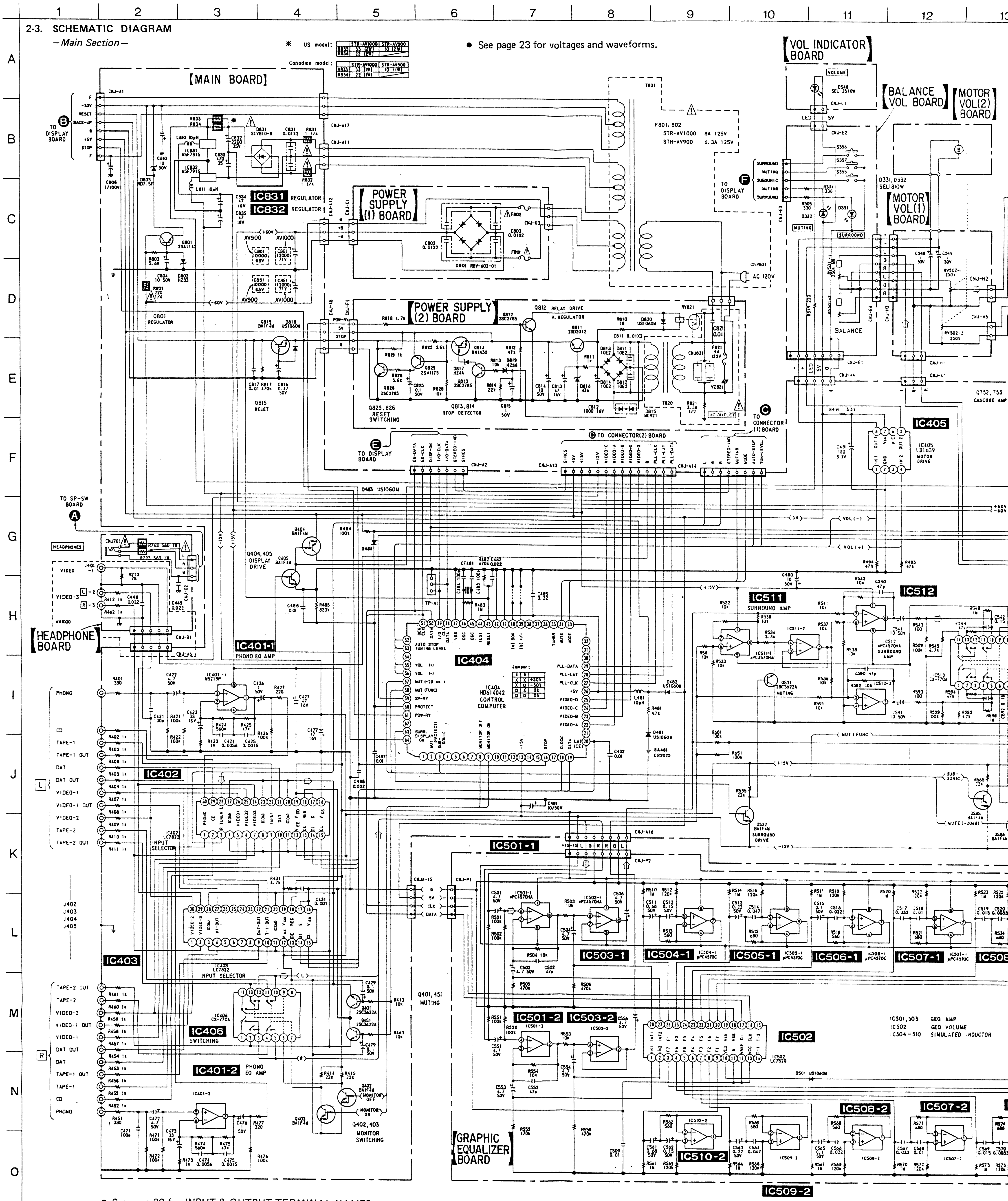
TO CONNECTOR (1) BOARD
(CHASSIS)
IC512
IC511
CNJ-A16
CNJ-A14
TP-A4
IC401
Q531
Q532
IC403
IC402
IC404
B4481 LITHIUM BATTERY (CR-2025)
AV1000
CNJ-A6
CNJ-A13
TO CONNECTOR (2) BOARD
IC406
CNJ-A8
CNJ-A12
Q704
Q701
Q702
Q706
Q707
Q708
Q711
Q713
Q714
Q716
Q715
Q709
AV900 AV1000
TP-A2
PHONO IN
CD IN
OUT REC DAT
IN
OUT REC TAPE 1
IN
AUDIO IN VIDEO 2
AUDIO OUT VIDEO 1
AUDIO IN
OUT REC TAPE 2
IN
J405
J404
J403
J402
【VOL INDICATOR BOARD】
CNJ-L1
D548
VOLUME
TO DISPLAY BOARD
【BALANCE VOL BOARD】
CNJ-E2
CNJ-E3
D332
MUTING
S357
D331
SURROUND
S356
S355
SUBSONIC
CNJ-E1
CNJ-E4
RV501
BALANCE
【MOTOR VOL(2) BOARD】
VOLUM MOTOR
【MOTOR VOL(1) BOARD】
CNJ-H3
CNJ-H2
CNJ-H1
CNJ-H4
RV502
VOLUME
SPEAKERS
TM701
【SP TERMINAL】
CNJ-J1
【SP-SW BOARD】
CNJ-I3
CNJ-I1
S700-2
S700-1
ON
OFF
SPEAKERS
【HEADPHONE BOARD】
CNJ-G1
CNJ-G2
AUDIO
VIDEO
VIDEO 3 INPUT
J401
AV1000
CNJ701
HEADPHONES
【GRAPHIC EQUALIZER BOARD】
(SHASSIS)
IC503
IC501
IC502
IC504
IC505
IC506
IC507
IC510
IC509
IC508
D501
CNJ-P1
CNJ-P2

2-3. SCHEMATIC DIAGRAM

— Main Section —



* US model:
STR-AV1000 STR-AV900
R833 33 (2W) 10 (2W)
R834 22 (2W)
Canadian model:
STR-AV1000 STR-AV900
R833 33 (1W) 10 (1W)
R834 22 (1W)
[MAIN BOARD]
[VOL INDICATOR BOARD]
[BALANCE VOL BOARD]
[MOTOR VOL(2) BOARD]
[MOTOR VOL(1) BOARD]
[POWER SUPPLY (1) BOARD]
[POWER SUPPLY (2) BOARD]
[HEADPHONE BOARD]
[GRAPHIC EQUALIZER BOARD]
TO DISPLAY BOARD
TO SP-SW BOARD
TO CONNECTOR (1) BOARD
TO CONNECTOR(2) BOARD
IC831 REGULATOR
IC832 REGULATOR
Q801 REGULATOR
Q815 RESET
Q812 RELAY DRIVE
Q811 V. REGULATOR
Q825, 826 RESET SWITCHING
Q813, 814 STOP DETECTOR
F801, 802 STR-AV1000 8A 125V STR-AV900 6.3A 125V
AC 120V
AC OUTLET
IC405 LB1639 MOTOR DRIVE
Q752, 753 CASCODE AMP
Q404, 405 DISPLAY DRIVE
IC401-1 PHONO EQ AMP
IC404 HD614042 CONTROL COMPUTER
IC402 LC7822 INPUT SELECTOR
IC403 LC7822 INPUT SELECTOR
IC406 CX-77OA SWITCHING
IC401-2 PHONO EQ AMP
Q401, 451 MUTING
Q402, 403 MONITOR SWITCHING
IC511 SURROUND AMP
IC512 SURROUND AMP
IC513 CX-770A
Q531 MUTING
Q532 SURROUND DRIVE
IC501-1
IC503-1
IC504-1
IC505-1
IC506-1
IC507-1
IC501-2
IC503-2
IC502 LC7520
IC510-2
IC509-2
IC508-2
IC507-2
IC501, 503 GEQ AMP
IC502 GEQ VOLUME
IC504-510 SIMULATED INDUCTOR
PHONO
CD
TAPE-1
TAPE-1 OUT
DAT
DAT OUT
VIDEO-1
VIDEO-1 OUT
VIDEO-2
TAPE-2
TAPE-2 OUT
HEADPHONES
J401
J402
J403
J404
J405
L
R
VOLUME
SURROUND
MUTING
SURSONIC
BALANCE
MUT (FUNC)
VOL (-)
VOL (+)
(+15V)
(-15V)
(5V)
(+60V)
(-60V)

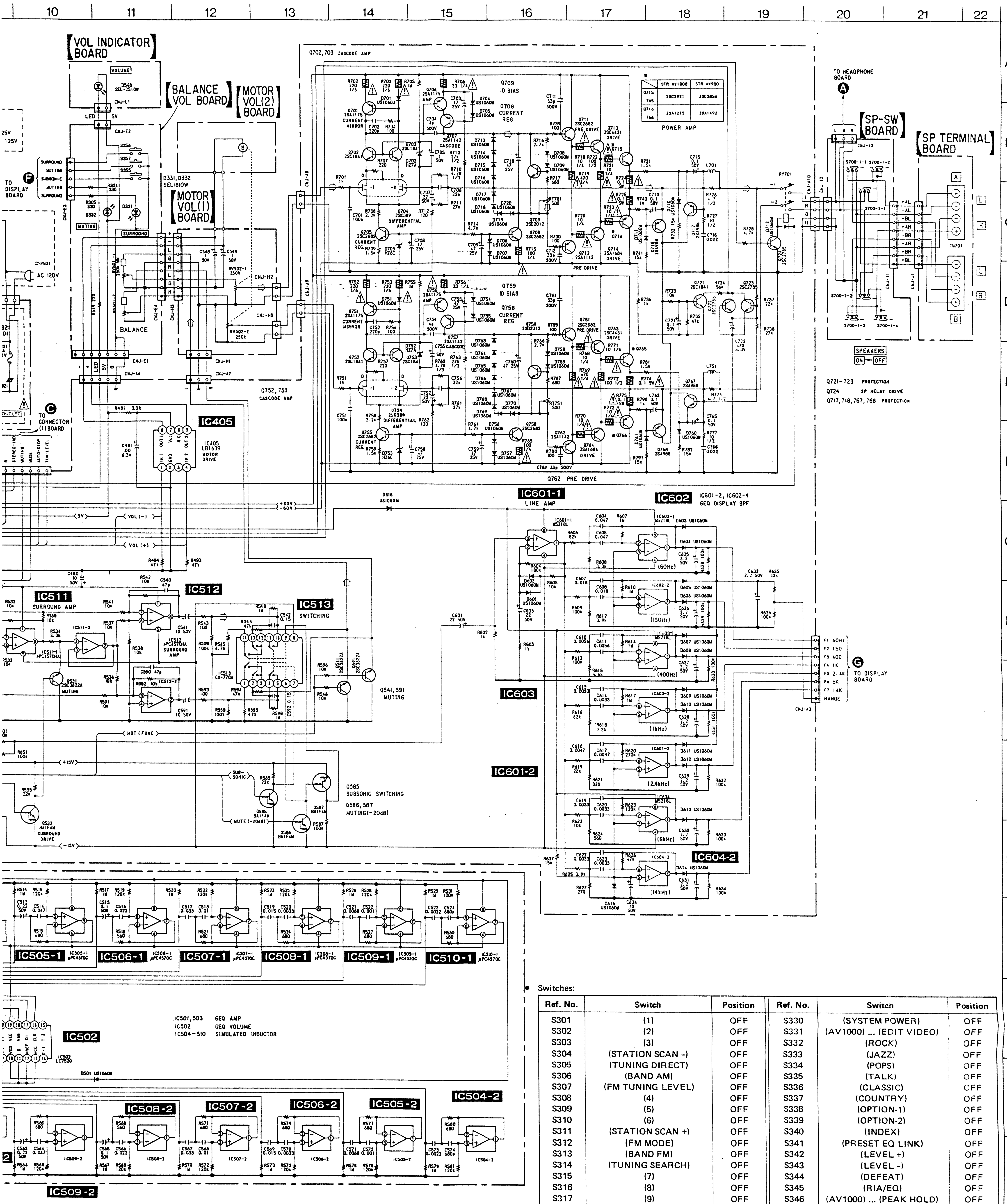
- See page 23 for voltages and waveforms.
- See page 22 for INPUT & OUTPUT-TERMINAL NAMES.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- ▭ : nonflammable resistor.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM

- Vol
  Vol
  tion
- Wav
- Circ
- Sign
  ⇨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VOL INDICATOR BOARD
BALANCE VOL BOARD
MOTOR VOL(2) BOARD
MOTOR VOL(1) BOARD
Q702, 703 CASCODE AMP
Q709 ID BIAS
Q708 CURRENT REG
POWER AMP
STR AV1000
STR AV900
TO HEADPHONE BOARD
SP-SW BOARD
SP TERMINAL BOARD
SPEAKERS ON OFF
Q721–723 PROTECTION
Q724 SP RELAY DRIVE
Q717, 718, 767, 768 PROTECTION
TO DISPLAY BOARD
TO CONNECTOR (1) BOARD
AC 120V
OUTLET
BALANCE
IC405
IC405 LB1639 MOTOR DRIVE
Q752, 753 CASCODE AMP
Q759 ID BIAS
Q758 CURRENT REG
Q762 PRE DRIVE
IC601-1
LINE AMP
IC602
IC601-2, IC602-4 GEQ DISPLAY BPF
IC511
SURROUND AMP
IC512
IC513
SWITCHING
Q541, 591 MUTING
Q585 SUBSONIC SWITCHING
Q586, 587 MUTING(-20dB)
Q532 SURROUND DRIVE
IC603
IC601-2
IC604-2
60Hz
150Hz
400Hz
1kHz
2.4kHz
6kHz
14kHz
F1 60Hz
F2 150
F3 400
F4 1K
F5 2.4K
F6 6K
F7 14K
RANGE
TO DISPLAY BOARD
IC505-1
IC506-1
IC507-1
IC508-1
IC509-1
IC510-1
IC501, 503 GEQ AMP
IC502 GEQ VOLUME
IC504–510 SIMULATED INDUCTOR
IC502
IC508-2
IC507-2
IC506-2
IC505-2
IC504-2
IC509-2

- Switches:

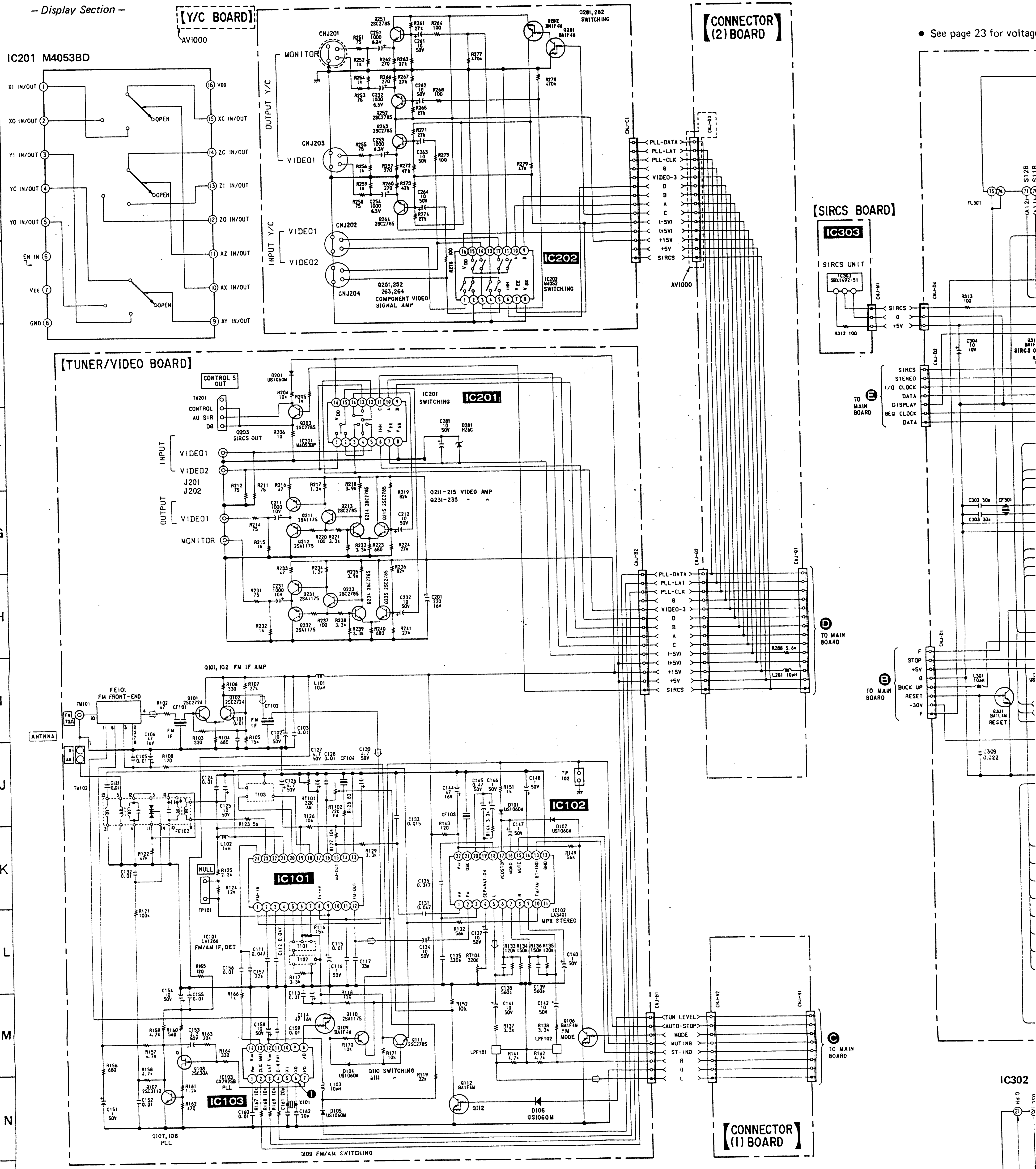
Ref. No.	Switch	Position	Ref. No.	Switch	Position
S301	(1)	OFF	S330	(SYSTEM POWER)	OFF
S302	(2)	OFF	S331	(AV1000) ... (EDIT VIDEO)	OFF
S303	(3)	OFF	S332	(ROCK)	OFF
S304	(STATION SCAN -)	OFF	S333	(JAZZ)	OFF
S305	(TUNING DIRECT)	OFF	S334	(POPS)	OFF
S306	(BAND AM)	OFF	S335	(TALK)	OFF
S307	(FM TUNING LEVEL)	OFF	S336	(CLASSIC)	OFF
S308	(4)	OFF	S337	(COUNTRY)	OFF
S309	(5)	OFF	S338	(OPTION-1)	OFF
S310	(6)	OFF	S339	(OPTION-2)	OFF
S311	(STATION SCAN +)	OFF	S340	(INDEX)	OFF
S312	(FM MODE)	OFF	S341	(PRESET EQ LINK)	OFF
S313	(BAND FM)	OFF	S342	(LEVEL +)	OFF
S314	(TUNING SEARCH)	OFF	S343	(LEVEL -)	OFF
S315	(7)	OFF	S344	(DEFEAT)	OFF
S316	(8)	OFF	S345	(RIA/EQ)	OFF
S317	(9)	OFF	S346	(AV1000) ... (PEAK HOLD)	OFF
S318	(0)	OFF	S347	(EQ)	OFF
S319	(ENTER)	OFF	S348	(14 K)	OFF
S320	(TUNER)	OFF	S349	(6 K)	OFF
S321	(DAT)	OFF	S350	(2.4 K)	OFF
S322	(AV1000) ... (VIDEO 3) (AV900) ... (TAPE 1)	OFF	S351	(1 K)	OFF
			S352	(400)	OFF
S323	(VIDEO 1)	OFF	S353	(150)	OFF
S324	(TAPE 2)	OFF	S354	(63)	OFF
S325	(EDIT AUDIO)	OFF	S355	(SUBSONIC)	OFF
S326	(PHONO)	OFF	S356	(SURROUND)	OFF
S327	(CD)	OFF	S357	(MUTING)	OFF
S328	(AV1000) ... (TAPE 1)	OFF	S700	(SPEAKER A/B)	OFF
S329	(VIDEO 2/CDV)	OFF			

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▭ : nonflammable resistor.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
- Voltages are taken with a VOM (50 kΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM

2-4. SCHEMATIC DIAGRAM
– Display Section –

• See page 23 for voltag



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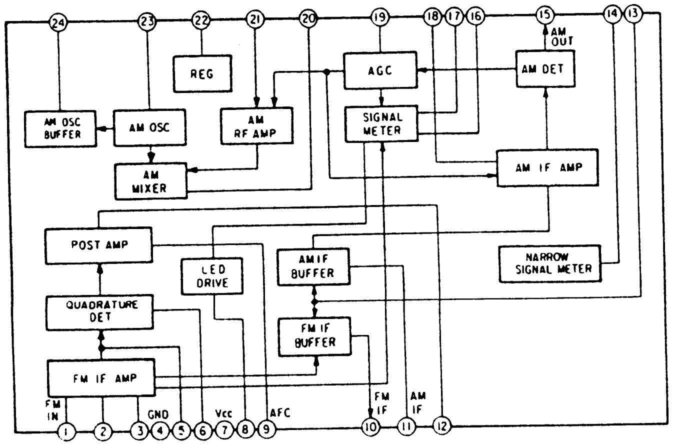
K
L
M
N
IC201 M4053BD
X1 IN/OUT
X0 IN/OUT
Y1 IN/OUT
YC IN/OUT
Y0 IN/OUT
EN IN
VEE
GND
VDD
XC IN/OUT
ZC IN/OUT
Z1 IN/OUT
Z0 IN/OUT
AZ IN/OUT
AX IN/OUT
AY IN/OUT
OPEN
【Y/C BOARD】
AV1000
OUTPUT Y/C
INPUT Y/C
MONITOR
VIDEO1
VIDEO2
CNJ201
CNJ202
CNJ203
CNJ204
Q251,252 263,264 COMPONENT VIDEO SIGNAL AMP
Q281,282 SWITCHING
IC202
IC202 M4052 SWITCHING
【CONNECTOR (2) BOARD】
PLL-DATA
PLL-LAT
PLL-CLK
G
VIDEO-3
D
B
A
C
(-5V)
(+5V)
+15V
+5V
SIRCS
【SIRCS BOARD】
IC303
SIRCS UNIT
IC303 SBX1492-51
R312 100
R313 100
SIRCS
G
+5V
STEREO
I/O CLOCK
DATA
DISPLAY
BEQ CLOCK
TO MAIN BOARD
Ⓔ
Ⓓ
Ⓑ
Ⓒ
F
STOP
BUCK UP
RESET
-30V
Q301 RESET
L301 10μH
C309 0.022
FL301
【TUNER/VIDEO BOARD】
CONTROL S OUT
TM201
CONTROL
AU SIR
DG
Q203 SIRCS OUT
IC201 SWITCHING
IC201
IC201 M4053BP
D281 HZ6C
INPUT
OUTPUT
VIDEO1
VIDEO2
J201
J202
MONITOR
Q211-215 VIDEO AMP
Q231-235 〃
Q101, 102 FM IF AMP
FE101 FM FRONT-END
TM101
ANTENNA
FM 75Ω
AM
TM102
FE102
T103
L101 10μH
L102
NULL
TP101
TP 102
IC101
IC101 LA1266 FM/AM IF, DET
T101
T102
IC102
IC102 LA3401 MPX STEREO
LPF101
LPF102
Q106 FM MODE
IC103
IC103 CX7925B PLL
X101
Q107,108 PLL
Q109 FM/AM SWITCHING
Q110 SWITCHING
Q112
D106 US1060M
TUN-LEVEL
AUTO-STOP
MODE
MUTING
ST-IND
R
G
L
【CONNECTOR (1) BOARD】
IC302

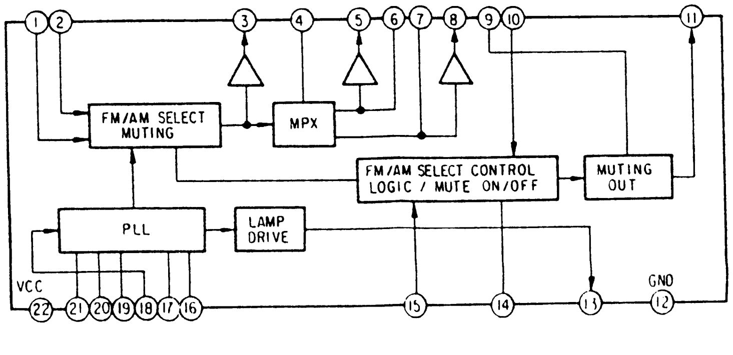
• IC BLOCK DIAGRAM

IC101 LA1266



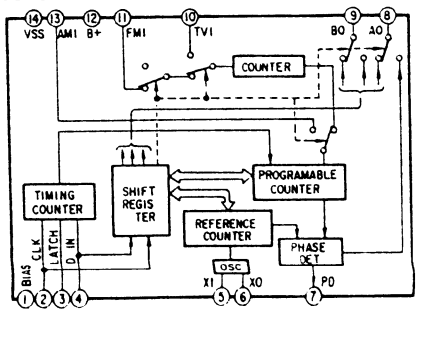
AM OUT
REG
AGC
AM DET
AM OSC BUFFER
AM OSC
AM RF AMP
SIGNAL METER
AM IF AMP
AM MIXER
POST AMP
LED DRIVE
AM IF BUFFER
NARROW SIGNAL METER
QUADRATURE DET
FM IF BUFFER
FM IF AMP
FM IN
GND
Vcc
AFC
FM IF
AM IF

IC102 LA3401



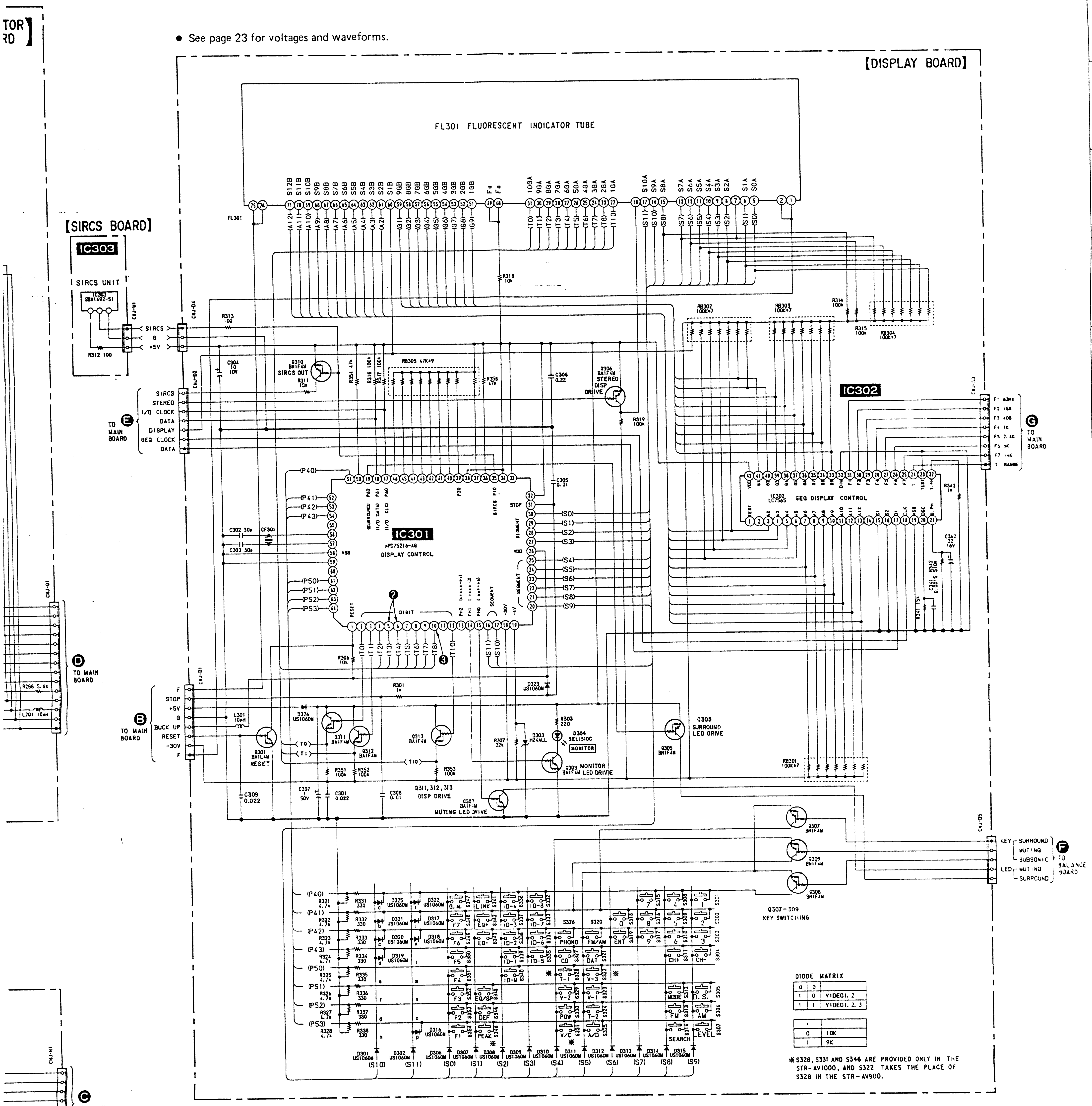
FM/AM SELECT MUTING
MPX
FM/AM SELECT CONTROL LOGIC / MUTE ON/OFF
MUTING OUT
PLL
LAMP DRIVE
VCC
GND

IC103 CX-7925B



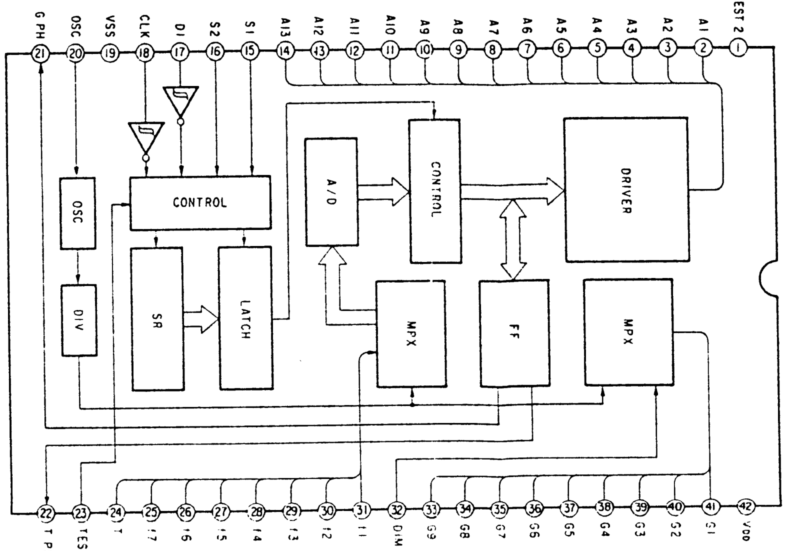
VSS
AM1
B+
FM1
TV1
BO
AO
COUNTER
TIMING COUNTER
SHIFT REGIS TER
PROGRAMABLE COUNTER
REFERENCE COUNTER
OSC
XI
XO
PHASE DET
PD
BIAS
CLK
LATCH
D IN

- See page 23 for voltages and waveforms.

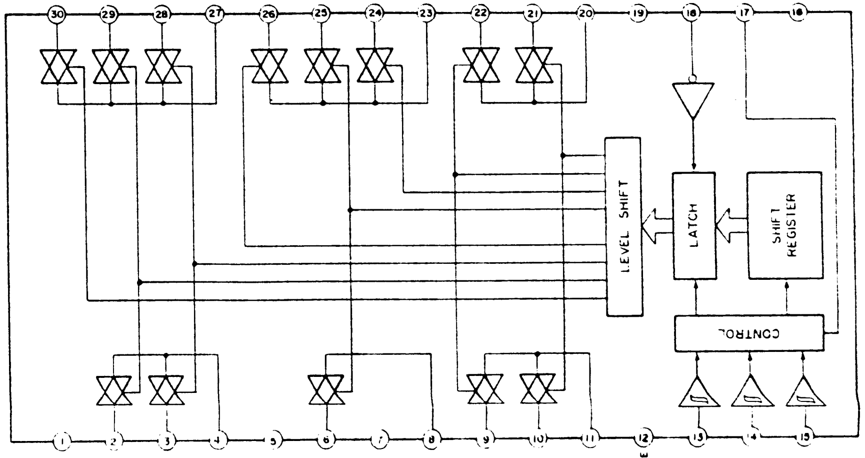

[DISPLAY BOARD]
FL301 FLUORESCENT INDICATOR TUBE
[SIRCS BOARD]
IC303
SIRCS UNIT
IC303 SBX1492-51
IC301
μPD75216-A8
DISPLAY CONTROL
IC302
LC7565 GEQ DISPLAY CONTROL
TO MAIN BOARD
TO BALANCE BOARD
Q310 SIRCS OUT
Q306 STEREO DISP DRIVE
Q305 SURROUND LED DRIVE
Q303 MONITOR LED DRIVE
Q301 RESET
Q311, 312, 313 DISP DRIVE
Q307 MUTING LED DRIVE
Q307-309 KEY SWITCHING
D304 SEL1510C
MONITOR
DIODE MATRIX
a b
1 0 VIDEO1. 2
1 1 VIDEO1. 2. 3
0 10K
1 9K
※S328, S331 AND S346 ARE PROVIDED ONLY IN THE STR-AV1000, AND S322 TAKES THE PLACE OF S328 IN THE STR-AV900.

- See page 22 for INPUT & OUTPUT-TERMINAL NAMES.

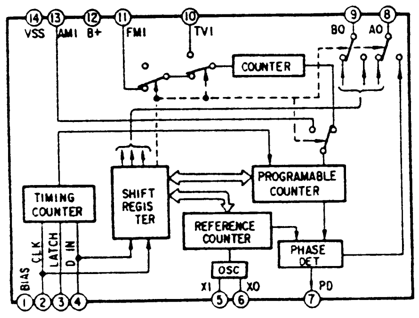
IC302 LC7565


OSC
DIV
CONTROL
SR
LATCH
A/D
CONTROL
MPX
FF
DRIVER
MPX

IC402, 403 LC7822


LEVEL SHIFT
LATCH
SHIFT REGISTER
CONTROL

IC103 CX-7925B


COUNTER
TIMING COUNTER
SHIFT REGIS TER
PROGRAMABLE COUNTER
REFERENCE COUNTER
PHASE DET
OSC

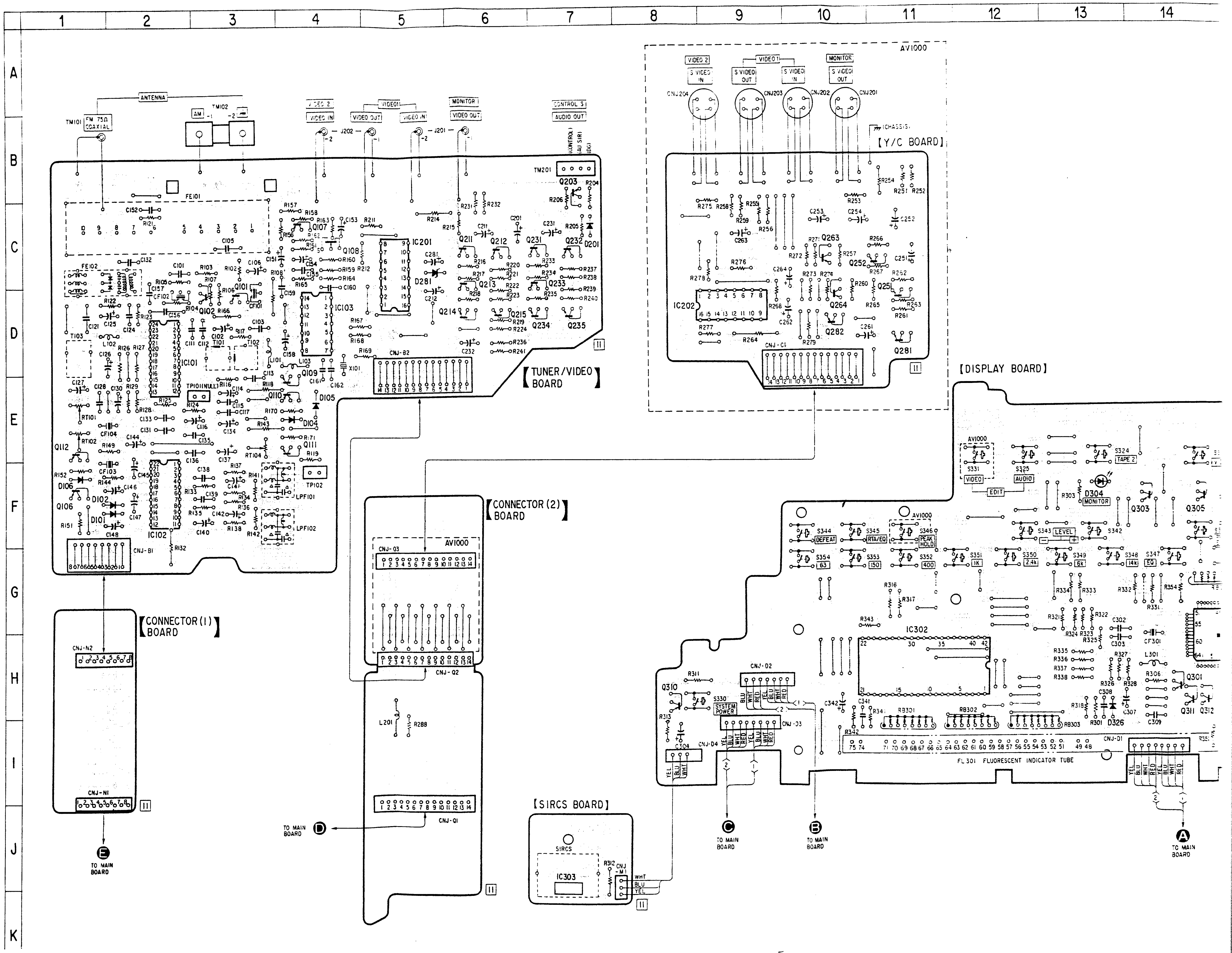
2-5. PRINTED WIRING BOARDS

– Display Section –

- See page 8 for semiconductor lead layouts.

• Semiconductor Locations

Ref. No.	Location	Ref. No.	Location
D101	F-2	Q101	D-3
D102	F-2	Q102	D-3
D104	E-4	Q106	F-1
D105	E-4	Q107	C-4
D106	F-1	Q108	C-4
D201	C-7	Q109	E-4
D281	C-5	Q110	E-4
D301	I-19	Q111	E-4
D302	I-19	Q112	E-1
D303	H-16	Q203	B-7
D304	F-13	Q211	C-6
D306	G-17	Q212	C-6
D307	G-17	Q213	D-6
D308	G-17	Q214	D-6
D309	H-17	Q215	D-6
D310	H-17	Q231	C-7
D311	H-17	Q232	C-7
D312	H-19	Q233	D-7
D313	H-19	Q234	D-7
D314	H-19	Q235	D-7
D315	H-19	Q251	D-11
D316	I-20	Q252	C-11
D317	I-20	Q263	C-10
D318	I-20	Q264	D-10
D319	I-20	Q281	D-11
D320	I-20	Q282	D-10
D321	I-20	Q301	H-14
D322	I-19	Q302	H-16
D323	F-15	Q303	H-16
D325	I-19	Q305	F-14
D326	H-13	Q306	F-14
		Q307	G-20
IC101	D-2	Q308	H-19
IC102	F-2	Q309	G-20
IC103	D-4	Q310	H-8
IC201	C-5	Q311	H-14
IC202	D-9	Q312	H-14
IC301	H-15	Q313	H-16
IC302	H-11		
IC303	K-7		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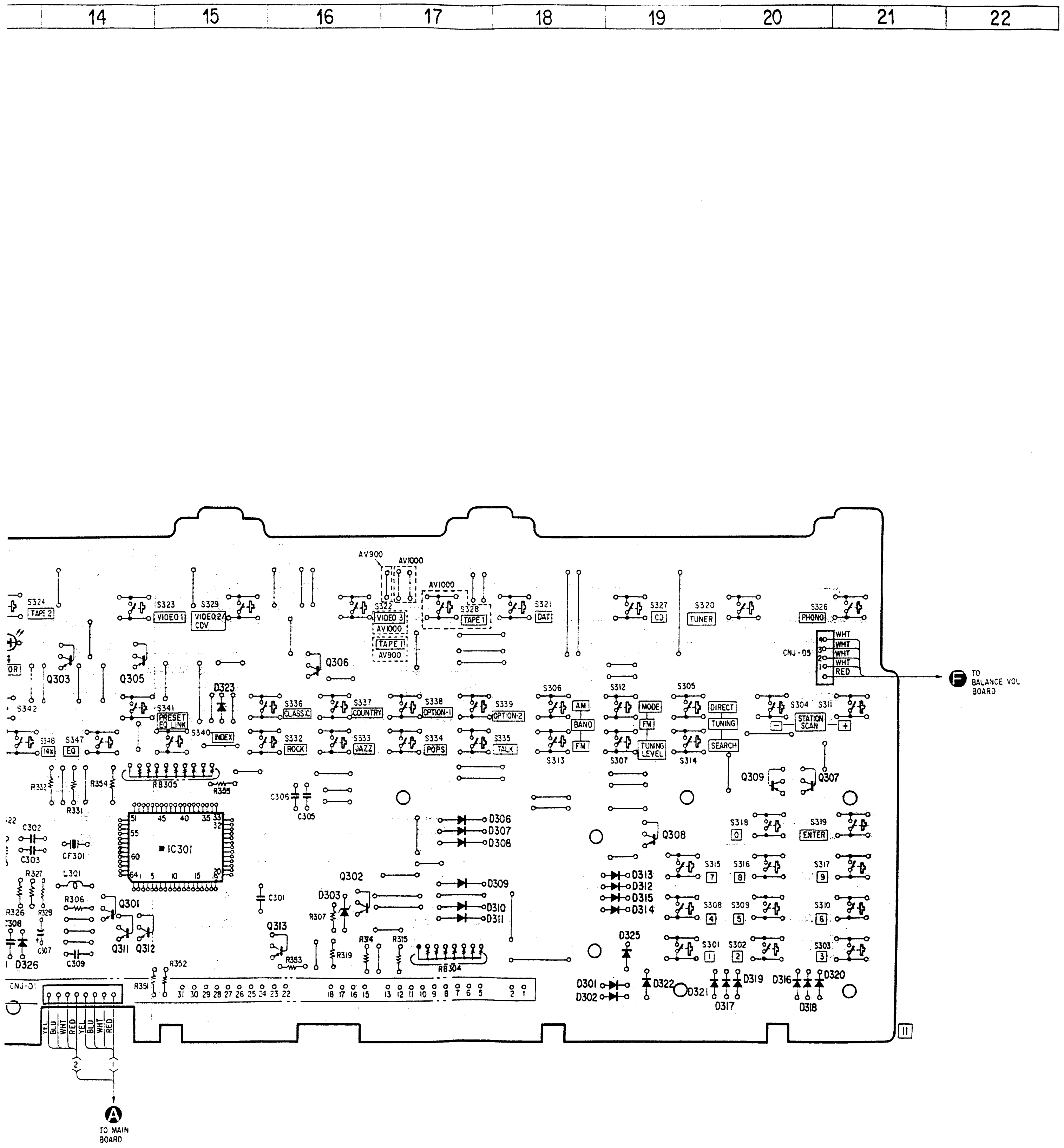
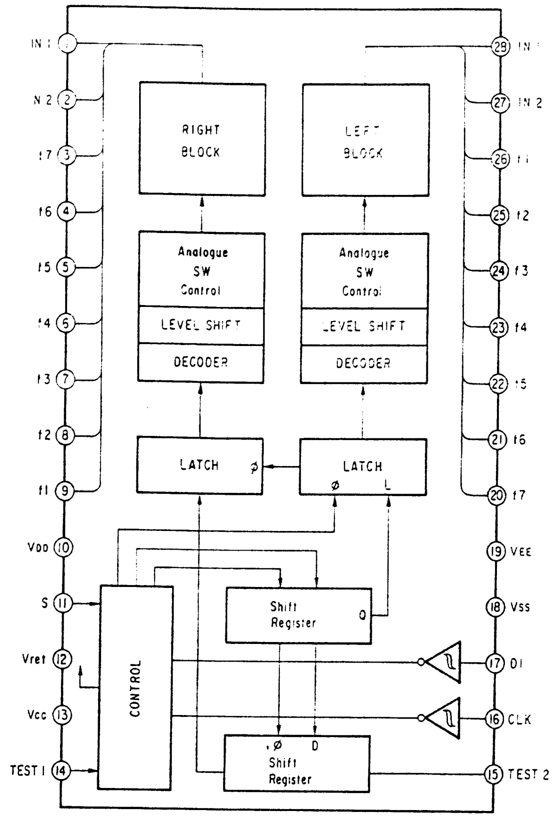
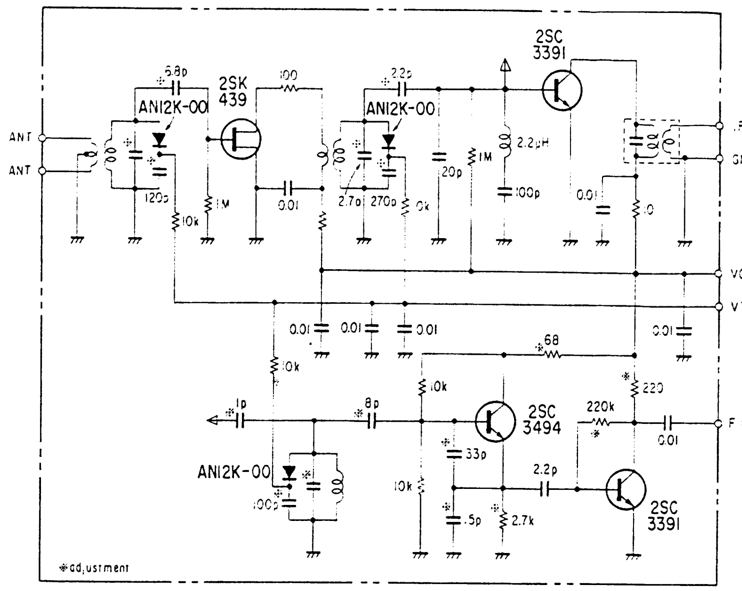
ANTENNA
TM101
FM 75Ω COAXIAL
AM
TM102
VIDEO 2
VIDEO IN
VIDEO1
VIDEO OUT
VIDEO IN
MONITOR
VIDEO OUT
CONTROL S
AUDIO OUT
J202
J201
TM201
FE101
FE102
IC101
IC102
IC103
IC201
TUNER/VIDEO BOARD
CNJ-B1
CNJ-B2
AV1000
S VIDEO IN
S VIDEO OUT
MONITOR
CNJ204
CNJ203
CNJ202
CNJ201
CHASSIS
[Y/C BOARD]
IC202
CNJ-C1
[DISPLAY BOARD]
CONNECTOR (1) BOARD
CNJ-N2
CNJ-N1
CONNECTOR (2) BOARD
CNJ-Q3
CNJ-Q2
CNJ-Q1
L201
R288
TO MAIN BOARD
[SIRCS BOARD]
SIRCS
IC303
CNJ-M1
WHT
BLU
YEL
S331 VIDEO
S325 AUDIO
S324 TAPE 2
EDIT
D304 MONITOR
Q303
Q305
S344 DEFEAT
S345 RTA/EQ
S346 PEAK HOLD
S343 LEVEL
S342
S354 63
S353 160
S352 400
S351 1K
S350 2.4k
S349 6k
S348 14k
S347 EQ
IC302
CNJ-D2
S330 SYSTEM POWER
Q310
CNJ-D3
CNJ-D4
CNJ-D1
Q301
Q311
Q312
D326
RB301
RB302
RB303
FL301 FLUORESCENT INDICATOR TUBE


14
15
16
17
18
19
20
21
22
AV900
AV1000
S324 TAPE 2
S323 VIDEO 1
S329 VIDEO 2/CDV
S322 VIDEO 3
S328 TAPE 1
S321 DAT
S327 CD
S320 TUNER
S326 PHONO
CNJ-D5
WHT
WHT
WHT
WHT
RED
TO BALANCE VOL BOARD
Q303
Q305
Q306
D323
S342
S341 PRESET EQ LINK
S340 INDEX
S336 CLASSIC
S337 COUNTRY
S338 OPTION-1
S339 OPTION-2
S332 ROCK
S333 JAZZ
S334 POPS
S335 TALK
S306 AM BAND FM
S313
S312 MODE FM
S307 TUNING LEVEL
S305 DIRECT TUNING
S314 SEARCH
S304 STATION SCAN
S311
S348 14k
S347 EQ
R354
RB305
R355
C306
C305
IC301
C302
C303
CF301
L301
R327
R306
R326
R328
Q301
Q311
Q312
C307
C309
D326
R352
R351
Q302
D303
R307
Q313
R353
R319
R314
R315
RB304
C301
D306
D307
D308
D309
D310
D311
Q308
D313
D312
D315
D314
D325
Q309
Q307
S318 0
S319 ENTER
S315 7
S316 8
S317 9
S308 4
S309 5
S310 6
S301 1
S302 2
S303 3
D301
D302
D322
D321
D317
D319
D316
D318
D320
CNJ-D1
YEL
BLU
WHT
RED
YEL
BLU
WHT
RED
TO MAIN BOARD

IC502 LC7520


IN 1
IN 2
f7
f6
f5
f4
f3
f2
f1
VDD
S
Vref
Vcc
TEST 1
IN 1
IN 2
f1
f2
f3
f4
f5
f6
f7
VEE
VSS
DI
CLK
TEST 2
RIGHT BLOCK
LEFT BLOCK
Analogue SW Control
LEVEL SHIFT
DECODER
LATCH
Shift Register
CONTROL

• FM FRONT END


ANT
ANT
AN12K-00
2SK 439
2SC 3391
2SC 3494
2SC 3391
LF
GND
VCC
VT
F OUT
*adjustment

INPUT & OUTPUT-TERMINAL NAMES

Ref. No.	Name	Ref. No.	Name
CNJ201	(AV1000) ... S VIDEO OUT, MONITOR	J403-4	R AUDIO IN, VIDEO 1
CNJ202	(AV1000) ... S VIDEO IN, VIDEO 1	J403-5	R AUDIO OUT, VIDEO 1
CNJ203	(AV1000) ... S VIDEO OUT, VIDEO 1	J403-6	R AUDIO IN, VIDEO 2
CNJ204	(AV1000) ... S VIDEO IN, VIDEO 2	J404-1	L IN, TAPE 1
CNJ701	HEADPHONES	J404-2	L REC OUT, TAPE 1
CNJ821	AC OUTLET, AC 120V 60Hz	J404-3	L IN, DAT
	SWITCHED 100W MAX	J404-4	R IN, TAPE 1
J201-1	VIDEO OUT, MONITOR	J404-5	R REC OUT, TAPE 1
J201-2	VIDEO IN, VIDEO 1	J404-6	R IN, DAT
J202-1	VIDEO OUT, VIDEO 1	J405-1	L REC OUT, DAT
J202-2	VIDEO IN, VIDEO 2	J405-2	L IN, CD
J401-1	(AV1000) ... VIDEO, VIDEO 3 INPUT	J405-3	L IN, PHONO
J401-2	(AV1000) ... L AUDIO, INPUT	J405-4	R REC OUT DAT
J401-3	(AV1000) ... R AUDIO, INPUT	J405-5	R IN, CD
J402-1	L IN, TAPE 2	J405-6	R IN, PHONO
J402-2	L REC OUT, TAPE 2	TM101	FM 75Ω COAXIAL, ANTENNA
J402-3	R IN, TAPE 2	TM102-1	AM, ANTENNA
J402-4	R REC OUT, TAPE 2	TM102-2	(GND), ANTENNA
J403-1	L AUDIO IN, VIDEO 1	TM201	CONTROLS, AUDIO OUT
J403-2	L AUDIO OUT, VIDEO 1	TM701	+/-, L/R, A/B, SPEAKERS
J403-3	L AUDIO IN, VIDEO 2		

2-6. VOLTAGES

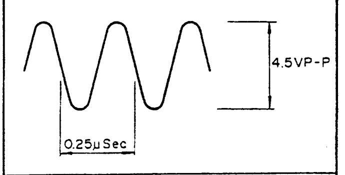
Ref.	Anode	Cathode
D101	4.9 (5.6)	4.4 (9.8)
D105	5.9 (5.9)	5.1 (5.1)
D201	5.9	5.5
D281	-4.7	5

Ref.		FM/AM	PHONO	CD	DAT	TAPE 1	VIDEO-1	VIDEO-2	VIDEO-3	MONI TAPE 2	MONO/ST
D301	Anode	-38 (-31)	-38	-38	-38	-38	-38	-38	-38	-38	-38
	Cathode	0 (0.75)	0	0	0	0	0	0	0	0	0
D302	Anode	-20 (-38)	-38	0	0	0	0	0	0	0	MONO: -20 ST: -27
	Cathode	1.1 (0)	0	0	0	0	0	0	0	0	MONO: 1.1 ST: 1.8
D303	Anode	-4									
	Cathode	0									
D304	Anode	LIGHTING ON: 2.1 OFF: 5.1									
	Cathode	LIGHTING ON: 0.12 OFF: 3.5									
D306	Anode	-27 (-27)	-30	-30	-33	-33	-23	-20	-20		
	Cathode	1.15 (1.15)	0.8	0.8	0.45	0.45	1.5	1.85	1.85		
D307	Anode	-30 (-30)	-20	-34	-34	-23	-23	-23	-26		
	Cathode	0.8	1.85	0.45	0.45	1.5	-1.5	1.5	1.5		
D308	Anode	-15 (-18)	-15	-24	-21	-24	-21	-21	-18		
	Cathode	2.1 (1.8)	2.1	1.15	1.45	1.15	1.45	1.45	1.8		
D309	Anode	-18 (-15)	-15	-21	-18	-12	-18	-15	-15		
	Cathode	1.7 (2)	2	1.4	1.7	2.35	1.7	2	2		
D310	Anode	-17 (-23.5)	-14.5	-26.5	-26.5	-16	-17.5	-15	-15		
	Cathode	2.55 (1.95)	2.9	1.6	1.6	2.55	1.9	2.55	2.25		
D311	Anode	-11.5 (-20.5)	-11.5	-23.5	-20.5	-20.5	-20.5	-23.5	-17.5		
	Cathode	2.8 (1.6)	2.55	1.25	1.6	1.6	1.6	1.25	1.95		
D312	Anode	-21.5 (-21.5)	-21.5	-24.5	-21.5	-18.5	-18.5	-7.8	-15.5		
	Cathode	1.5 (1.5)	1.5	1.15	1.45	1.8	1.8	2.75	2.1		
D313	Anode	-37 (-37)	-30	-33	-30	-33	-24	-24	-24		
	Cathode	0.03 (0.03)	0.45	0.25	0.8	0.25	1.15	1.15	1.15		
D314	Anode	-30 (-34)	-37	-37	-37	-37	-37	-37	-37		
	Cathode	0.8 (0.24)	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
D315	Anode	-36									
	Cathode	0.07									
D316	Anode	1.8 (0)	0	0	0	0	0	0	0		
	Cathode	1.7 (0)	0	0	0	0	0	0	0		
D317	Anode	1.8 (0)	0	0	0	0	0	0	0		
	Cathode	1.6 (0.65)	0	0	0	0	0	0	0		
D318	Anode	1.8 (0)	0	0	0	0	0	0	0		
	Cathode	1.6 (0.65)	0	0	0	0	0	0	0		
D319	Anode	0 (0.75)	0	0	0	0	0	0	0		
	Cathode	0 (0.65)	0	0	0	0	0	0	0		
D320	Anode	0 (0.75)	0	0	0	0	0	0	0		
	Cathode	1.6 (0.65)	0	0	0	0	0	0	0		
D321	Anode	0 (0.75)	0	0	0	0	0	0	0		
	Cathode	1.6 (0.65)	0	0	0	0	0	0	0		
D322	Anode	0 (0.75)	0	0	0	0	0	0	0		
	Cathode	1.6 (0.65)	0	0	0	0	0	0	0		
D325	Anode	1.8 (0)	0	0	0	0	0	0	0		
	Cathode	1.6 (0.65)	0	0	0	0	0	0	0		
D331	Anode	LIGHT ON: 1.8									
	Cathode										
D332	Anode	5.8									
	Cathode	LIGHT ON: 4 OFF: 4.4									
D549	Anode	5.8									
	Cathode	3.7									

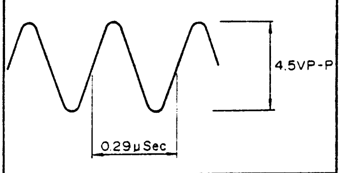
( ): AM

- **Circled numbers refer to waveforms**

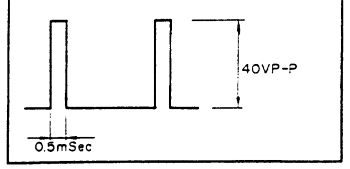
❶ IC103 PIN 6



❷ IC301 PIN 5, 6



❸ IC301 PIN 10



IC201 (M4053BP)

Pin No.	VOLTAGE	Pin No.	VOLTAGE
1	0	9	0
2	0	10	0
3	0	11	0
4	0	12	0
5	0	13	0
6	0	14	0
7	0	15	0
8	0	16	5

IC202 (M4052BP)

	VOLTAGE	VOLTAGE	VOLTAGE
Pin No.	VIDEO 2→1	VIDEO 3→1	VIDEO 2→3
1	0	0	0→0.05
2	0	0	0→0.05
3	0	0	0→0.05
4	0	0	
5	0	0	$0\rightarrow{}^{+5}_{-5}$
6	0	0	
7	-3.6	-4.7	
8	0	0	
9	0	5.3	
10	5.3	0	
11	0	0	
12	0	0	
13	0	0	
14	0	0	0→10
15	0	0	
16	6.2	5	

IC103 (7925B)

	FM	AM
Pin No.	VOLTAGE	VOLTAGE
1	-2.2	-2.2
2	5.1	5.1
3	0	0
4	5	5
5	0.05	0.05
6	1.8	1.8
7	2.7	2.7
8	3.6	0
9	0	0
10	GND	GND
11	0.05	0
12	5.1	5.1
13	0.06	0.06
14	GND	GND

	IC601 (M5218L)	IC602–604 (M5218L)
Pin No.	VOLTAGE	VOLTAGE
1	0	0.65
2	0	0.65
3	0	0.65
4	-15	-15
5	0.65	0.65
6	0.65	0.65
7	0.65	0.65
8	15	15

IC301 (μPD75216-AG)

Pin No.	VOLTAGE	Pin No.	VOLTAGE
1	5.1	33, 34	5.1
2–10	-34	35	4.9
12	-34	36	5
13	0	37	4.9
16	-18	38	5.1
17, 18	-37	47, 48	4.4
19	-3.8	49	5.1
20	-38	51–53	1
21	-27.5	54	0
22	-39	56	0.65
23	-12	57	2.5
24	-20.5	56	0
25	-14.5	61	0
27	-18	62	*0
28	-21	63	*0
29	-27	64	1
30	-24		Others: 0
31, 32	5.6		

* Touching with the test lead, the power is turned off.

IC303 (SBX1492-51)

Pin No.	VOLTAGE
1	3.5
2	4.9
3	GND

IC501 (μPC4570HA)

Pin No.	VOLTAGE
1	15.3
2	15.3
3	0
4	0
5	-14.9
6	0
7	0
8	0
9	15.5

IC401 (M5219L)

Pin No.	VOLTAGE
1	-0.025
2	0
3	0
4	-15
5	0
6	0
7	0
8	15

IC302 (LC7565)			
Pin No.	VOLTAGE	Pin No.	VOLTAGE
3	FM: -8–-12	22	0.7
	Others: -39	23	0
4	FM: -16	24	FM: 0.75
	Others -39		Others: 0–21
5	FM: -17	25	FM: 0.65
	Others: -39		Others: 0.19
6	FM: -20	26	FM: 0.85
	Others: -39		Others: 0.17
7	FM: -27	27	FM: 0.75
	Others: -39		Others: 0.175
8	-25.5	28	FM: 0.75
9–12	-37		Others: 0.16
13	FM: -33	29	FM: 0.3
	Others: -29.5		Others: 0.14
15, 16	GND	30	FM: 0.2
17–19	0		Others: 0.14
20	4.4	31	FM: 0.16
21	3.3–3.9		Others: 0.135
		33	FM: -35
			Others: -37
		34	-26.5
		35–40	-30
		41	30
		42	5.2

IC503 (μPC4570HA)	
Pin No.	VOLTAGE
1	15.3
2	0
3	0
4	0
5	-14.9
6	0
7	0
8	0
9	15.5

IC504–510 (μPC4570C)	
Pin No.	VOLTAGE
1	0
2	0
3	0
4	-15
5	0
6	0
7	0
8	15.3

	IC402 (LC7822)	IC403 (LC7822)
Pin No.	VOLTAGE	VOLTAGE
1–11	0	0
12	-15	-15
13–15	0	0
16	GND	GND
17	15.5	GND
18	15.5	15.5
19	15.5	0
20–30	0	0

IC502 (LC7520)			
Pin No.	VOLTAGE	Pin No.	VOLTAGE
1	0	15	11.8
2	0	16	0
3	0	17	0
4	0	18	0
5	0	19	-15
6	0	20	0
7	0	21	0
8	0	22	0
9	0	23	0
10	15	24	0
11	5.8	25	0
12	5.8	26	0
13	5.8	27	0
14	5.6	28	0

IC404 (HD614042)			
Pin No.	VOLTAGE	Pin No.	VOLTAGE
1, 2	0	33	5.2
3	-15	34–38	0
4–7	0	39, 40	4.9
8	-14.5	41–43	0
9	4.9	44	5.1
10–13	0	*45	–
14	-15	46	0
15	0	47	GND
16	5.5	48, 49	2.95
17	0	50, 51	0
18–20	0.05	52	4.2
21	0	53	5.3
22	0.15	54–56	0
23	5.2	57	-15
24, 25	0	58	-14.5
26, 27	5.1	59	5.1
28	0	60	4.9
29	5.1	61	5.1
30–32	0	62	0
		63, 64	5.1

*Touching with the test lead, the power is turned off.

	IC511 (μPC4570HA)	IC512 (μPC4570HA)
Pin No.	VOLTAGE	VOLTAGE
1	15.5	15.5
2	0	0
3	0	0
4	0	GND
5	-15	-15
6	0	0
7	0	0
8	0	0
9	18.5	15.5

	IC406 (CX-770A)
Pin No.	VOLTAGE
1–5	0
6	15
7–9	-15
10–14	0

	IC405 (LB1639)
Pin No.	VOLTAGE
1	0
2	GND
3	0
4	0
5	0
6	0
7	5.8
8	0

	IC513 (CX770A)
Pin No.	VOLTAGE
1–5	0
6, 7	15.5
8	-15
9	-14.6
10–14	0

	IC831 (M5F7815)	IC832 (M5F7915)
Pin No.	VOLTAGE	VOLTAGE
1	26.5	-27.5
2	GND	GND
3	15.5	-15

	IC101 (LA1266)	
Pin No.	FM	AM
1	2.4	0.95
2	2.4	1.15
3	2.4	0.95
4	GND	GND
5	11.4	12
6	11.6	12
7	11.3	12
8	4.9	5.6
9	4.4	4
10	2.4	2.4
11	2.65	2.25
12	2.95	2.55
13	GND	GND
14	2.65	2.25
15	1.4	1.5
16	0	0
17	0	0
18	2.85	0.95
19	1.25	1.35
20	0.15	12
21	4.2	3.8
22	4.2	3.8
23	4.2	3.8
24	3.2	2.25

	IC102 (LA3401)	
Pin No.	FM	AM
1	3.3	3.3
2	3.3	3.3
3	3.4	3.4
4	3.4	3.4
5	5.9	5.9
6	3.4	3.4
7	3.4	3.4
8	5.9	5.9
9	3	3
10	0	7.3
11	0	0
12	GND	GND
13	4.8	4.8
14	4.1	0
15	0	0
16	2.8	2.8
17	4.5	9.7
18	3.5	5.5
19	3	3
20	29.4	8.3
21	1.7	1.7
22	13.5	13.5

Ref.	B (G)	C (S)	E (D)
Q531 Q532	-15	0	0
Q541	-14.8	0	0
Q585	-14.9	15	15
Q586	-14.9	15	-15
Q587	15	-14	15.5
Q591	-14.8	0	0
Q701	66	66	66
Q702	–	66	6.5
Q703	–	66	6.5
Q704-1			
*1 Q704-2	RRO ON: 0.14		
Q705	-60	-7.7	-62
Q706	66	66	66
Q707	66	1.8	66
Q708	-66	-1.45	-66
Q709	-0.9	1.8	-1.45
Q711	1.8	67	1.3
Q712		-67	-1.3
Q713	1.3	67	0.65
Q714	-1.3	-67	0.65
Q715	0.65	67	0.03
Q716	-0.65	-67	-0.03
Q717		PRO ON: -64	
Q718		PRO ON: -64	
*1 Q721		4.8	-66
Q722	GND	5.3	0
Q723	0	5.3	GND
Q724	PRO ON: 0 PRO OFF: 0.75	PRO ON: 26.5 PRO OFF: 0.15	GND

- Q751–Q768 are Same as L-ch.

*1. Touching the base (gate) with the test lead, the protector functions.

Ref.	B (G)	C (S)	E (D)
Q801	-39	-61	-38
Q811	6.4	14	5.8
Q812	0.8	0.45	GND
Q813	0.75	0	GND
Q814	3.5	–	5.8
Q815	5.3	0	5.6
Q825			GND
Q826		5.6	GND

( ): AM

Ref.	B (G)	C (S)	E (D)
Q101	4.8	15.5	4.2
Q102	4.9	14.5	4.2
Q106	0	6.6	0
Q107	0.7	FM 87.5 MHz: 1.75–7.8 AM 530–1,600 kHz: 1.05–7.8	0
Q108	2.9	3.8	14
Q109	. 3.7 (0)	15 (0)	0 (0)
Q110	14.9	15.5 (0)	15.5
Q111	0.7 (13.5)	12 (12.5)	0 (13)
0112	-5.4	0	0
Q203	0	5.4	0
Q211	14.5	7.8	15
Q212	7.2	0	7.8
Q213	7.8	14.5	7.2
Q214	3.7	7.7	3.1
Q215	3.7	15.5	3.1
Q231	14.5	7.8	15
Q232	7.2	0	7.8
Q233	7.7	14.5	7.2
Q234	3.7	7.7	3.1
Q235	3.7	15.5	3.1
Q251	6.7	15.5	6.3
Q252	6.7	15.5	6.3
Q263	VIDEO 2→1 7.1	15.5	6.7
	VIDEO 3→1 -4.8	15.5	0
Q264	VIDEO 2→1 7.1	15.5	6.7
	VIDEO 3→1 -4.5	15.5	0

Ref.	B (G)	C (S)	E (D)
Q281	VIDEO 2→1 5.1	0	0
	VIDEO 3→1 0	15	0
Q282	VIDEO 2→1 0	15.3	15.3
	VIDEO 3→1 14.8	-4.6	15.2
Q301	0	5.1	0
Q302	0	4.4	0
Q303	TAPE 2 OFF: 0 ON: 5.1	TAPE 2 OFF: 3.5 ON: 0.12	TAPE 2 OFF: 0 ON: 0
Q305	5.1	0	5.2
Q306	4.9	-40	5.2
Q310	4.9	0	5.2
Q311	-33	5.1	-33
Q312	-34	5.1	-36
Q313	-34	5.1	-35

Ref.	B (G)	C (S)	E (D)
Q401	-14.5	0	0
Q402	-14.5	15.2	-15
Q403	4.8	-15	-15
Q404	0.12	5.8	5.8
Q405	5	0.12	0
Q451	-14.5	0	0

Pin No.	CNJ-A13 CNJ-Q1 VOLTAGE
1	0
2	5.8
3	15.2
4	5.1
5	-4.8
6	0
7	0
8	5.1
9	0
10	GND
11	0
12	5.1
13	0
14	5.1

CNJ-N1	
Pin No.	**VOLTAGE**
1	0
2	0
3	0
4	4.9
5	0 (0) Others: 5.1
6	0
7	FM (STEREO): 4.8 Others: 5.6
8	-5.4

( ): AM

FL301			
Pin No.	**VOLTAGE**	**Pin No.**	**VOLTAGE**
5, 6	-27	49	-30
7	-37	59	-34
8, 9	-18	60	5.8
10	-11.5	61	-10
11	-14.5	62, 63	-15
12	-18	64	-18
13	-37	65	-27.5
15	-27.5	66	-25
16	-39	67–70	-37
17	-18	71	-29
18	-39	74–75	AC 8.5
22	-36	1–2	AC 8.5
23–31	-34		
47	-15.5		
48	-35		

FE101
FM 87.5 MHz: 1.05 107.9 MHz: 6.7 AM 530 kHz: 1.05 1650kHz : 7.8

BA481 (BATTERY)
3V

Ref.	Q307			Q308			Q309		
	B	C	E	B	C	E	B	C	E
FM AM	2.05 (1.55)	1	2.5	2.05 (1.55)	1	2.5	1.8 (1.8)	1	2.1
PHONO	2.35			2.35			2.1		
CD	1.3			1.3			1		
DAT	1.55			1.55			1		
TAPE 1	1.55			1.55			1.85		
VIDEO-1	1.55			1.55			1.85		
VIDEO-2	1.3			1.3			2.1		
VIDEO-3	1.05			1.85			2.1		

SECTION 3
EXPLODED VIEWS

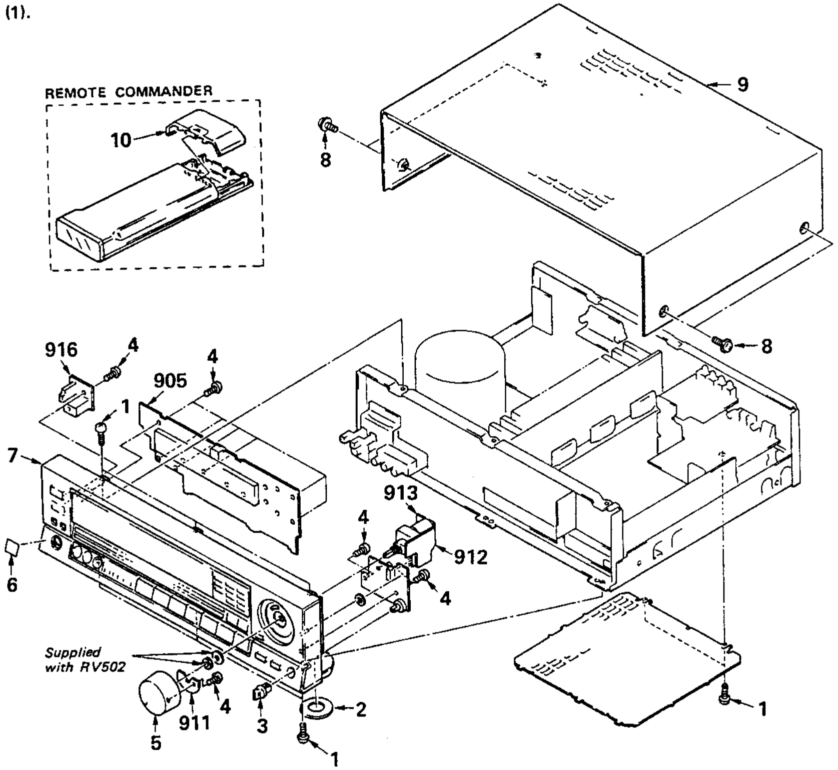
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) ...KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts' Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

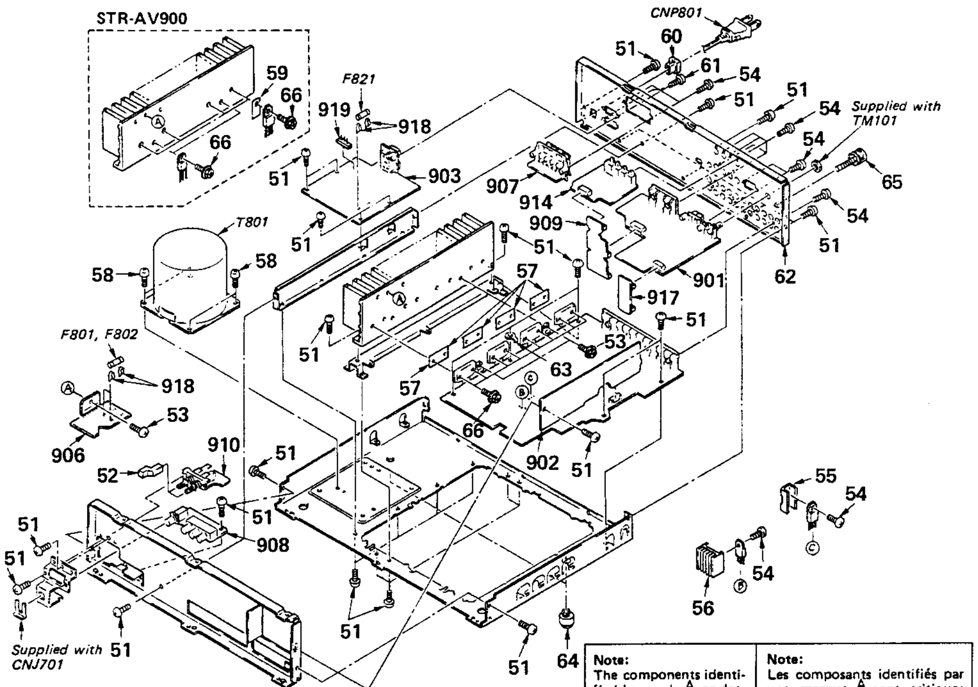
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

(1).



No.	Part No.	Description	Remarks
1	7-682-548-04	SCREW +BVTT 3X8 (S)	
2	3-337-121-01	FELT, ORNAMENTAL FOOT	
3	4-925-014-01	KNOB (DIA.10)	
4	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	
5	4-925-121-01	KNOB (V2)	
6	3-703-710-41	STICKER, SONY SYMBOL (12)	
7	X-4906-817-1	(AV900)....PANEL ASSY, FRONT	
	X-4906-818-1	(AV1000)...PANEL ASSY, FRONT	
8	3-704-366-01	SCREW (CASE) (M3X8)	
9	4-925-039-11	CASE	
10	4-922-048-01	(AV1000)....LID BATTERY CASE	
	2-394-123-01	(AV900).....LID BATTERY CASE	
905	*A-4472-288-A	(AV1000)...MOUNTED PCB, DISPLAY	
	*A-4472-289-A	(AV900)....MOUNTED PCB, DISPLAY	
911	*1-626-371-11	PC BOARD, VOL INDICATOR	
912	*1-626-372-11	PC BOARD, MOTOR VOL (1)	
913	*1-626-373-11	PC BOARD, MOTOR VOL (2)	
915	*1-626-376-11	PC BOARD, BALANCE VOL	
916	*1-626-379-11	PC BOARD, SIRCS	

(2).



Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

No.	Part No.	Description	Remarks
51	7-682-548-04	SCREW +BVTT 3X8 (S)	
52	4-906-872-01	KNOB, SQUARE	
53	7-682-550-04	SCREW (M3X12), TAPPING	
54	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
55	*4-309-144-31	HEAT SINK, V.OUT	
56	*3-309-144-21	(AV900)....HEAT SINK	
	4-921-402-01	(AV1000)...HEAT SINK	
57	4-885-901-31	(AV1000)...SHEET, RADIATION	
58	7-682-161-01	SCREW +BVTT 4X8 (S)	
59	4-911-232-01	(AV900)....SHEET, INSULATING	
60	*3-703-244-00	BUSHING (2104), CORD	
61	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	
62	*4-925-023-01	(AV1000:US)........PANEL, BACK	
	*4-925-023-11	(AV1000:Cnadian)...PANEL, BACK	
	*4-925-023-31	(AV900:US).........PANEL, BACK	
	*4-925-023-41	(AV900:Cnadian)....PANEL, BACK	
63	*4-904-446-01	PLATE, GROUND	
64	X-4921-901-1	FOOT ASSY	
65	*3-706-165-00	SCREW	
66	7-682-550-09	SCREW +B 3X12	
901	*A-4351-651-A	MOUNTED PCB, TUNER VIDEO	
902	*A-4375-369-A	MOUNTED PCB, GRAPHIC EQUALIZER	
903	*A-4394-457-A	MOUNTED PCB, POWER SUPPLY (2)	
904	A-4410-703-A	(AV1000:US)........MOUNTED PCB, MAIN	
	A-4410-704-A	(AV1000:Cnadian)...MOUNTED PCB, MAIN	
	A-4410-710-A	(AV900:US).........MOUNTED PCB, MAIN	
	A-4410-711-A	(AV900:Cnadian)....MOUNTED PCB, MAIN	
906	*1-626-364-11	PC BOARD, POWER SUPPLY (1)	
907	*1-626-366-11	PC BOARD, SP TERMINAL	
908	*1-626-367-11	PC BOARD, HEADPHONE	
909	*1-626-368-11	PC BOARD, CONNECTOR (2)	
910	*1-626-369-11	PC BOARD, SP-SW	
914	*1-626-375-11	(AV1000)...PC BOARD, Y/C	
917	*1-626-380-11	PC BOARD, CONNECTOR (1)	
918	1-533-183-11	HOLDER, FUSE	
919	*1-535-140-00	BASE POST 22MM (10MM PITCH) 3P	
CNP801.	1-559-819-11	CORD, POWER	
F801 ⚠.	1-532-748-11	(AV900)....FUSE, GLASS TUBE (6.3A)	
F801 ⚠.	1-532-749-11	(AV1000)...FUSE, GLASS TUBE (8A)	
F802 ⚠.	1-532-748-11	(AV900)....FUSE, GLASS TUBE (6.3A)	
F802 ⚠.	1-532-749-11	(AV1000)...FUSE, GLASS TUBE (8A)	
F821 ⚠.	1-532-746-11	FUSE, GLASS TUBE (4A)	
T801 ⚠.	1-449-252-11	(AV1000)...TRANSFORMER, POWER	
T801 ⚠.	1-449-254-11	(AV900)....TRANSFORMER, POWER	

SECTION 4
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			
901	*A-4351-651-A	MOUNTED PCB, TUNER VIDEO			
902	*A-4375-369-A	MOUNTED PCB, GRAPHIC EQUALIZER			
903	*A-4394-457-A	MOUNTED PCB, POWER SUPPLY (2)			
904	A-4410-703-A	(AV1000:US)........MOUNTED PCB, MAIN			
	A-4410-704-A	(AV1000:Cnadian)...MOUNTED PCB, MAIN			
	A-4410-710-A	(AV900:US).........MOUNTED PCB, MAIN			
	A-4410-711-A	(AV900:Cnadian)....MOUNTED PCB, MAIN			
905	*A-4472-288-A	(AV1000)...MOUNTED PCB, DISPLAY			
	*A-4472-289-A	(AV900)....MOUNTED PCB, DISPLAY			
906	*1-626-364-11	PC BOARD, POWER SUPPLY (1)			
907	*1-626-366-11	PC BOARD, SP TERMINAL			
908	*1-626-367-11	PC BOARD, HEADPHONE			
909	*1-626-368-11	PC BOARD, CONNECTOR (2)			
910	*1-626-369-11	PC BOARD, SP-SW			
911	*1-626-371-11	PC BOARD, VOL INDICATOR			
912	*1-626-372-11	PC BOARD, MOTOR VOL (1)			
913	*1-626-373-11	PC BOARD, MOTOR VOL (2)			
914	*1-626-375-11	(AV1000)...PC BOARD, Y/C			
915	*1-626-376-11	PC BOARD, BALANCE VOL			
916	*1-626-379-11	PC BOARD, SIRCS			
917	*1-626-380-11	PC BOARD, CONNECTOR (1)			
918	1-533-183-11	HOLDER, FUSE			
919	*1-535-140-00	BASE POST 22MM (10MM PITCH) 3P			
BA481	1-528-120-00	BATTERY, LITHIUM (CR-2025)			
C101	1-161-379-00	CERAMIC	0.01MF	30%	16V
C102	1-123-875-11	ELECT	10MF	20%	50V
C103	1-161-379-00	CERAMIC	0.01MF	30%	16V
C105	1-161-379-00	CERAMIC	0.01MF	30%	16V
C106	1-124-477-11	ELECT	47MF	20%	16V
C111	1-101-006-00	CERAMIC	0.047MF		50V
C112	1-101-006-00	CERAMIC	0.047MF		50V
C113	1-161-379-00	CERAMIC	0.01MF	30%	16V
C114	1-124-477-11	ELECT	47MF	20%	16V
C115	1-161-379-00	CERAMIC	0.01MF	30%	16V
C116	1-124-499-11	ELECT	1MF	20%	50V
C117	1-162-211-31	CERAMIC	33PF	5%	50V
C121	1-161-379-00	CERAMIC	0.01MF	30%	16V
C124	1-161-379-00	CERAMIC	0.01MF	30%	16V
C125	1-123-875-11	ELECT	10MF	20%	50V
C126	1-124-927-11	ELECT	4.7MF	20%	50V
C127	1-124-927-11	ELECT	4.7MF	20%	50V
C128	1-161-379-00	CERAMIC	0.01MF	30%	16V
C130	1-124-927-11	ELECT	4.7MF	20%	50V
C131	1-136-161-00	MYLAR	0.047MF	10%	50V
C132	1-161-379-00	CERAMIC	0.01MF	30%	16V
C133	1-136-155-00	MYLAR	0.015MF	10%	50V
C134	1-123-875-11	ELECT	10MF	20%	50V
C135	1-162-288-31	CERAMIC	330PF	10%	50V
C136	1-101-006-00	CERAMIC	0.047MF		50V
C137	1-123-875-11	ELECT	10MF	20%	50V
C138	1-162-291-31	CERAMIC	560PF	10%	50V
C139	1-162-291-31	CERAMIC	560PF	10%	50V
C140	1-124-499-11	ELECT	1MF	20%	50V
C141	1-123-875-11	ELECT	10MF	20%	50V
C142	1-123-875-11	ELECT	10MF	20%	50V
C144	1-124-477-11	ELECT	47MF	20%	16V
C145	1-124-902-00	ELECT	0.47MF	20%	50V
C146	1-124-499-11	ELECT	1MF	20%	50V
C147	1-124-499-11	ELECT	1MF	20%	50V
C148	1-124-499-11	ELECT	1MF	20%	50V
C151	1-124-499-11	ELECT	1MF	20%	50V
C152	1-161-379-00	CERAMIC	0.01MF	30%	16V
C153	1-124-925-11	ELECT	2.2MF	20%	50V
C154	1-123-875-11	ELECT	10MF	20%	50V
C155	1-161-379-00	CERAMIC	0.01MF	30%	16V
C156	1-161-379-00	CERAMIC	0.01MF	30%	16V
C157	1-162-207-31	CERAMIC	22PF	5%	50V
C158	1-123-875-11	ELECT	10MF	20%	50V
C159	1-161-379-00	CERAMIC	0.01MF	30%	16V
C160	1-161-379-00	CERAMIC	0.01MF	30%	16V
C161	1-162-206-31	CERAMIC	20PF	5%	50V
C162	1-162-206-31	CERAMIC	20PF	5%	50V
C201	1-124-120-11	ELECT	220MF	20%	16V
C211	1-124-473-11	ELECT	1000MF	20%	10V
C212	1-123-875-11	ELECT	10MF	20%	50V
C231	1-124-473-11	ELECT	1000MF	20%	10V
C232	1-123-875-11	ELECT	10MF	20%	50V
C251	1-124-471-00	(AV1000)...ELECT	1000MF	20%	6.3V
C252	1-124-471-00	(AV1000)...ELECT	1000MF	20%	6.3V
C253	1-124-471-00	(AV1000)...ELECT	1000MF	20%	6.3V
C254	1-124-471-00	(AV1000)...ELECT	1000MF	20%	6.3V
C261	1-123-875-11	(AV1000)...ELECT	10MF	20%	50V
C262	1-123-875-11	(AV1000)...ELECT	10MF	20%	50V
C263	1-123-875-11	(AV1000)...ELECT	10MF	20%	50V
C264	1-123-875-11	(AV1000)...ELECT	10MF	20%	50V
C281	1-123-875-11	ELECT	10MF	20%	50V
C301	1-101-005-00	CERAMIC	0.022MF		50V
C302	1-162-210-31	CERAMIC	30PF	5%	50V
C303	1-162-210-31	CERAMIC	30PF	5%	50V
C304	1-124-462-00	ELECT	10MF	20%	10V

Ref.No.	Part No.	Description			
C305	1-101-005-00	CERAMIC	0.022MF		50V
C306	1-136-169-00	FILM	0.22MF	5%	50V
C307	1-124-255-00	ELECT	1MF	20%	50V
C308	1-161-379-00	CERAMIC	0.01MF	30%	16V
C309	1-101-005-00	CERAMIC	0.022MF	30%	50V
C341	1-130-473-00	MYLAR	0.0015MF	5%	50V
C342	1-124-234-00	ELECT	22MF	20%	16V
C421	1-162-282-31	CERAMIC	100PF	10%	50V
C422	1-124-927-11	ELECT	4.7MF	20%	50V
C423	1-124-963-11	ELECT	33MF	20%	16V
C424	1-130-480-00	MYLAR	0.0056MF	5%	50V
C425	1-130-473-00	MYLAR	0.0015MF	5%	50V
C426	1-124-499-11	ELECT	1MF	20%	50V
C427	1-124-477-11	ELECT	47MF	20%	16V
C429	1-124-463-00	ELECT	0.1MF	20%	50V
C431	1-162-294-31	CERAMIC	0.001MF	10%	50V
C432	1-162-294-31	CERAMIC	0.001MF	10%	50V
C448	1-101-005-00	(AV1000)...CERAMIC	0.022MF		50V
C449	1-101-005-00	CERAMIC	0.022MF		50V
C471	1-162-282-31	CERAMIC	100PF	10%	50V
C472	1-124-927-11	ELECT	4.7MF	20%	50V
C473	1-124-963-11	ELECT	33MF	20%	16V
C474	1-130-480-00	MYLAR	0.0056MF	5%	50V
C475	1-130-473-00	MYLAR	0.0015MF	5%	50V
C476	1-124-499-11	ELECT	1MF	20%	50V
C477	1-124-477-11	ELECT	47MF	20%	16V
C479	1-124-463-00	ELECT	0.1MF	20%	50V
C480	1-123-875-11	ELECT	10MF	20%	50V
C481	1-123-875-11	ELECT	10MF	20%	50V
C482	1-101-005-00	CERAMIC	0.022MF	30%	50V
C483	1-162-282-31	CERAMIC	100PF	10%	50V
C484	1-162-282-31	CERAMIC	100PF	10%	50V
C485	1-136-169-00	FILM	0.22MF	5%	50V
C486	1-161-379-00	CERAMIC	0.01MF	30%	16V
C487	1-161-379-00	CERAMIC	0.01MF	30%	16V
C488	1-161-494-11	CERAMIC	0.022MF		
C491	1-124-443-00	ELECT	100MF	20%	6.3V
C501	1-124-927-11	ELECT	4.7MF	20%	50V
C502	1-162-215-31	CERAMIC	47PF	5%	50V
C503	1-124-927-11	ELECT	4.7MF	20%	50V
C504	1-124-927-11	ELECT	4.7MF	20%	50V
C506	1-124-908-11	ELECT	22MF	20%	25V
C509	1-161-379-00	CERAMIC	0.01MF	30%	16V
C511	1-124-254-00	ELECT	0.68MF	20%	50V
C512	1-124-250-00	ELECT	0.15MF	20%	50V
C513	1-124-464-11	ELECT	0.22MF	20%	50V
C514	1-130-491-00	MYLAR	0.047MF	5%	50V
C515	1-124-463-00	ELECT	0.1MF	20%	50V
C516	1-130-487-00	MYLAR	0.022MF	5%	50V
C517	1-130-489-00	MYLAR	0.033MF	5%	50V
C518	1-130-483-00	MYLAR	0.01MF	5%	50V
C519	1-130-485-00	MYLAR	0.015MF	5%	50V
C520	1-130-477-00	MYLAR	0.0033MF	5%	50V
C521	1-130-481-00	MYLAR	0.0068MF	5%	50V
C522	1-130-471-00	MYLAR	0.001MF	5%	50V
C523	1-130-475-00	MYLAR	0.0022MF	5%	50V
C524	1-130-469-00	MYLAR	680PF	5%	50V
C540	1-162-215-31	CERAMIC	47PF	5%	50V

Ref.No.	Part No.	Description			
C541	1-123-875-11	ELECT	10MF	20%	50V
C542	1-130-497-00	MYLAR	0.15MF	5%	50V
C548	1-124-499-11	ELECT	1MF	20%	50V
C549	1-124-499-11	ELECT	1MF	20%	50V
C551	1-124-927-11	ELECT	4.7MF	20%	50V
C552	1-162-215-31	CERAMIC	47PF	5%	50V
C553	1-124-927-11	ELECT	4.7MF	20%	50V
C554	1-124-927-11	ELECT	4.7MF	20%	50V
C556	1-124-908-11	ELECT	22MF	20%	25V
C561	1-124-254-00	ELECT	0.68MF	20%	50V
C562	1-124-250-00	ELECT	0.15MF	20%	50V
C563	1-124-464-11	ELECT	0.22MF	20%	50V
C564	1-130-491-00	MYLAR	0.047MF	5%	50V
C565	1-124-463-00	ELECT	0.1MF	20%	50V
C566	1-130-487-00	MYLAR	0.022MF	5%	50V
C567	1-130-489-00	MYLAR	0.033MF	5%	50V
C568	1-130-483-00	MYLAR	0.01MF	5%	50V
C569	1-130-485-00	MYLAR	0.015MF	5%	50V
C570	1-130-477-00	MYLAR	0.0033MF	5%	50V
C571	1-130-481-00	MYLAR	0.0068MF	5%	50V
C572	1-130-471-00	MYLAR	0.001MF	5%	50V
C573	1-130-475-00	MYLAR	0.0022MF	5%	50V
C574	1-130-469-00	MYLAR	680PF	5%	50V
C590	1-162-215-31	CERAMIC	47PF	5%	50V
C591	1-123-875-11	ELECT	10MF	20%	50V
C592	1-130-497-00	MYLAR	0.15MF	5%	50V
C601	1-124-908-11	ELECT	22MF	20%	50V
C603	1-124-908-11	ELECT	22MF	20%	50V
C604	1-130-491-00	MYLAR	0.047MF	5%	50V
C605	1-130-491-00	MYLAR	0.047MF	5%	50V
C607	1-130-486-00	MYLAR	0.018MF	5%	50V
C608	1-130-486-00	MYLAR	0.018MF	5%	50V
C610	1-130-480-00	MYLAR	0.0056MF	5%	50V
C611	1-130-480-00	MYLAR	0.0056MF	5%	50V
C613	1-130-477-00	MYLAR	0.0033MF	5%	50V
C614	1-130-477-00	MYLAR	0.0033MF	5%	50V
C616	1-130-479-00	MYLAR	0.0047MF	5%	50V
C617	1-130-479-00	MYLAR	0.0047MF	5%	50V
C619	1-130-477-00	MYLAR	0.0033MF	5%	50V
C620	1-130-477-00	MYLAR	0.0033MF	5%	50V
C622	1-130-477-00	MYLAR	0.0033MF	5%	50V
C623	1-130-477-00	MYLAR	0.0033MF	5%	50V
C625	1-124-925-11	ELECT	2.2MF	20%	50V
C626	1-124-925-11	ELECT	2.2MF	20%	50V
C627	1-124-925-11	ELECT	2.2MF	20%	50V
C628	1-124-925-11	ELECT	2.2MF	20%	50V
C629	1-124-925-11	ELECT	2.2MF	20%	50V
C630	1-124-925-11	ELECT	2.2MF	20%	50V
C631	1-124-925-11	ELECT	2.2MF	20%	50V
C632	1-124-925-11	ELECT	2.2MF	20%	50V
C634	1-123-875-11	ELECT	10MF	20%	50V
C701	1-102-973-00	CERAMIC	100PF	5%	50V
C702	1-102-978-00	CERAMIC	220PF	5%	50V
C703	1-124-477-11	ELECT	47MF	20%	25V
C704	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C705	1-124-499-11	ELECT	1MF	20%	50V
C706	1-102-959-00	CERAMIC	22PF	5%	50V

Ref.No.	Part No.	Description			
C707	1-124-908-11	ELECT	22MF	20%	50V
C708	1-124-477-11	ELECT	47MF	20%	25V
C709	1-124-477-11	ELECT	47MF	20%	25V
C710	1-124-477-11	ELECT	47MF	20%	25V
C711	1-102-233-00	CERAMIC	33PF	10%	500V
C712	1-102-233-00	CERAMIC	33PF	10%	500V
C713	1-124-463-00	ELECT	0.1MF	20%	50V
C715	1-124-463-00	ELECT	0.1MF	20%	50V
C716	1-130-487-00	MYLAR	0.022MF	5%	50V
C721	1-124-463-00	ELECT	0.1MF	20%	50V
C722	1-124-472-11	ELECT	470MF	20%	6.3V
C751	1-102-973-00	CERAMIC	100PF	5%	50V
C752	1-102-978-00	CERAMIC	220PF	5%	50V
C753	1-124-477-11	ELECT	47MF	20%	25V
C754	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C755	1-124-499-11	ELECT	1MF	20%	50V
C756	1-102-959-00	CERAMIC	22PF	5%	50V
C757	1-124-908-11	ELECT	22MF	20%	50V
C758	1-124-477-11	ELECT	47MF	20%	25V
C759	1-124-477-11	ELECT	47MF	20%	25V
C760	1-124-477-11	ELECT	47MF	20%	25V
C761	1-102-233-00	CERAMIC	33PF	10%	500V
C762	1-102-233-00	CERAMIC	33PF	10%	500V
C763	1-124-463-00	ELECT	0.1MF	20%	50V
C765	1-124-463-00	ELECT	0.1MF	20%	50V
C766	1-130-487-00	MYLAR	0.022MF	5%	50V
C801	1-125-416-11	(AV900)....ELECT	10000MF	20%	63V
C801	1-125-522-11	(AV1000)...ELECT	12000MF	20%	71V
C802	1-102-355-00	CERAMIC	0.01MF		250V
C803	1-102-355-00	CERAMIC	0.01MF		250V
C804	1-123-875-11	ELECT	10MF	20%	50V
C806	1-124-924-11	ELECT	1MF		100V
C810	1-123-875-11	ELECT	10MF	20%	50V
C811	1-102-355-00	CERAMIC	0.01MF		250V
C812	1-124-360-00	ELECT	1000MF	20%	16V
C813	1-124-477-11	ELECT	47MF	20%	16V
C814	1-123-875-11	ELECT	10MF	20%	50V
C815	1-124-499-11	ELECT	1MF	20%	50V
C816	1-124-902-00	ELECT	0.47MF	20%	50V
C817	1-161-379-00	CERAMIC	0.01MF	30%	16V
C821	1-161-744-00	CERAMIC	0.01MF		400V
C825	1-124-463-00	ELECT	0.1MF	20%	50V
C831	1-102-355-00	CERAMIC	0.01MF		250V
C832	1-126-105-11	ELECT	1000MF	20%	35V
C833	1-126-104-11	ELECT	470MF	20%	35V
C834	1-124-477-11	ELECT	47MF	20%	16V
C835	1-124-477-11	ELECT	47MF	20%	15V
C851	1-125-416-11	(AV900)....ELECT	10000MF	20%	63V
C851	1-125-522-11	(AV1000)...ELECT	12000MF	20%	71V
CF101	1-567-393-11	FILTER, CERAMIC			
CF102	1-567-393-11	FILTER, CERAMIC			
CF103	1-567-250-11	OSCILLATOR, CERAMIC			
CF104	1-527-981-00	FILTER, CERAMIC			
CF301	1-567-170-00	OSCILLATOR, CERAMIC (4.194MHz)			
CF481	1-527-822-00	OSCILLATOR, CERAMIC			
CNJ201	1-566-847-31	(AV1000)...CONNECTOR, (S) TERMINAL 4P (MONITOR)			
CNJ202	1-566-846-11	(AV1000)...CONNECTOR, (S) TERMINAL 4P (S VIDEO IN)			

Ref.No.	Part No.	Description
CNJ203	1-566-846-11	(AV1000)...CONNECTOR (S) TERMINAL 4P (S VIDEO OUT)
CNJ204	1-566-846-11	(AV1000)...CONNECTOR (S) TERMINAL 4P (VIDEO2 S VIDEO IN)
CNJ701	1-507-796-21	JACK (HEADPHONES)
⚠CNJ821.	1-540-010-11	OUTLET, AC (2P)(AC OUTLET)
CNJ-A1*	1-564-342-11	PIN, CONNECTOR 8P
CNJ-A2*	1-564-341-21	PIN, CONNECTOR 7P
CNJ-A3*	1-564-342-61	PIN, CONNECTOR 8P
CNJ-A4*	1-564-339-21	PIN, CONNECTOR 5P
CNJ-A5*	1-564-338-21	PIN, CONNECTOR 4P
CNJ-A6*	1-564-707-11	(AV1000)...PIN, CONNECTOR(SMALL TYPE)5P
CNJ-A7*	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P
CNJ-A8*	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P
CNJ-A9*	1-564-704-31	PIN, CONNECTOR (SMALL TYPE) 2P
CNJ-A10*	1-564-338-21	PIN, CONNECTOR 4P
CNJ-A11*	1-564-104-00	PIN, CONNECTOR 3P
CNJ-A12*	1-564-104-00	PIN, CONNECTOR 3P
CNJ-A13*	1-565-348-11	SOCKET, CONNECTOR(PC BOARD) 14P
CNJ-A14*	1-565-347-11	SOCKET, CONNECTOR (PC BOARD) 8P
CNJ-A15*	1-565-342-11	PIN, CONNECTOR (PC BOARD) 4P
CNJ-A16*	1-565-344-11	PIN, CONNECTOR (PC BOARD) 8P
CNJ-A17*	1-564-104-00	PIN, CONNECTOR 3P
CNJ-B1*	1-565-347-11	SOCKET, CONNECTOR (PC BOARD) 8P
CNJ-B2*	1-565-348-11	SOCKET, CONNECTOR(PC BOARD) 14P
CNJ-C1*	1-565-348-11	(AV1000)..SOCKET, CONNECTOR(PC BOARD)14P
CNJ-D1*	1-564-342-11	PIN, CONNECTOR 8P
CNJ-D2*	1-564-341-21	PIN, CONNECTOR 7P
CNJ-D3*	1-564-342-61	PIN, CONNECTOR 8P
CNJ-D4*	1-564-104-00	PIN, CONNECTOR 3P
CNJ-D5*	1-564-339-00	PIN, CONNECTOR 5P
CNJ-E1*	1-564-341-21	PIN, CONNECTOR 7P
CNJ-E2*	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P
CNJ-E3*	1-564-339-00	PIN, CONNECTOR 5P
CNJ-E4*	1-565-321-11	SOCKET, CONNECTOR (PC BOARD) 8P
CNJ-F1*	1-564-338-21	PIN, CONNECTOR 4P
CNJ-G1*	1-564-707-11	(AV1000)...PIN, CONNECTOR(SMALL TYPE)5P
CNJ-G2*	1-564-104-00	PIN, CONNECTOR 3P
CNJ-H2*	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P
CNJ-H3*	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P
CNJ-H4*	1-565-322-11	PIN, CONNECTOR (PC BOARD) 8P
CNJ-I1*	1-564-342-11	PIN, CONNECTOR 8P
CNJ-I2*	1-564-338-21	PIN, CONNECTOR 4P
CNJ-I3*	1-564-104-00	PIN, CONNECTOR 3P
CNJ-J1*	1-564-342-11	PIN, CONNECTOR 8P
CNJ-K1*	1-564-104-00	PIN, CONNECTOR 3P
CNJ-K3*	1-564-104-00	PIN, CONNECTOR 3P
CNJ-L1*	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P
CNJ-N1*	1-565-344-11	PIN, CONNECTOR (PC BOARD) 8P
CNJ-N2*	1-565-344-11	PIN, CONNECTOR (PC BOARD) 8P
CNJ-P1*	1-565-341-11	SOCKET, CONNECTOR (PC BOARD) 4P
CNJ-P2*	1-565-347-11	SOCKET, CONNECTOR (PC BOARD) 8P

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note:** Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
CNJ-Q1	1-565-345-11	PIN, CONNECTOR (PC BOARD) 14P
CNJ-Q2	1-565-345-11	PIN, CONNECTOR (PC BOARD) 14P
CNJ-Q3	1-565-345-11	(AV1000)...PIN, CONNECTOR (PC BOARD) 14P
⚠CNP801	.1-559-819-11	CORD, POWER
D101	8-719-000-26	DIODE US1060M
D102	8-719-000-26	DIODE US1060M
D104	8-719-000-26	DIODE US1060M
D105	8-719-000-26	DIODE US1060M
D106	8-719-000-26	DIODE US1060M
D201	8-719-000-26	DIODE US1060M
D281	8-719-933-60	DIODE HZS9C2L
D301	8-719-000-26	DIODE US1060M
D302	8-719-000-26	DIODE US1060M
D303	8-719-914-11	DIODE HZ4ALL
D304	8-719-303-69	DIODE SEL1510W
D306	8-719-000-26	DIODE US1060M
D307	8-719-000-26	DIODE US1060M
D308	8-719-000-26	DIODE US1060M
D309	8-719-000-26	DIODE US1060M
D310	8-719-000-26	DIODE US1060M
D311	8-719-000-26	DIODE US1060M
D312	8-719-000-26	DIODE US1060M
D313	8-719-000-26	DIODE US1060M
D314	8-719-000-26	DIODE US1060M
D315	8-719-000-26	DIODE US1060M
D316	8-719-000-26	DIODE US1060M
D317	8-719-000-26	DIODE US1060M
D318	8-719-000-26	DIODE US1060M
D319	8-719-000-26	DIODE US1060M
D320	8-719-000-26	DIODE US1060M
D321	8-719-000-26	DIODE US1060M
D322	8-719-000-26	DIODE US1060M
D323	8-719-000-26	DIODE US1060M
D325	8-719-000-26	DIODE US1060M
D326	8-719-000-26	DIODE US1060M
D331	8-719-310-78	DIODE SEL1810W (SURROUND)
D332	8-719-310-78	DIODE SEL1810W (MUTING)
D481	8-719-000-26	DIODE US1060M
D482	8-719-000-26	DIODE US1060M
D483	8-719-000-26	DIODE US1060M
D501	8-719-000-26	DIODE US1060M
D548	8-719-304-14	DIODE SEL2510W (VOLUME)
D601	8-719-000-26	DIODE US1060M
D602	8-719-000-26	DIODE US1060M
D603	8-719-000-26	DIODE US1060M
D604	8-719-000-26	DIODE US1060M
D605	8-719-000-26	DIODE US1060M
D606	8-719-000-26	DIODE US1060M
D607	8-719-000-26	DIODE US1060M
D608	8-719-000-26	DIODE US1060M
D609	8-719-000-26	DIODE US1060M
D610	8-719-000-26	DIODE US1060M
D611	8-719-000-26	DIODE US1060M
D612	8-719-000-26	DIODE US1060M
D613	8-719-000-26	DIODE US1060M
D614	8-719-000-26	DIODE US1060M
D615	8-719-000-26	DIODE US1060M
D616	8-719-000-26	DIODE US1060M
D701	8-719-000-26	DIODE US1060M
D702	8-719-933-43	DIODE HZS7A1L
D703	8-719-933-41	DIODE HZS6C3L
D704	8-719-000-26	DIODE US1060M
D705	8-719-000-26	DIODE US1060M
D706	8-719-000-26	DIODE US1060M
D707	8-719-000-26	DIODE US1060M
D708	8-719-000-26	DIODE US1060M
D709	8-719-000-26	DIODE US1060M
D710	8-719-000-26	DIODE US1060M
D711	8-719-000-26	DIODE US1060M
D712	8-719-000-26	DIODE US1060M
D713	8-719-000-26	DIODE US1060M
D714	8-719-000-26	DIODE US1060M
D715	8-719-000-26	DIODE US1060M
D716	8-719-000-26	DIODE US1060M
D717	8-719-000-26	DIODE US1060M
D718	8-719-000-26	DIODE US1060M
D719	8-719-000-26	DIODE US1060M
D720	8-719-000-26	DIODE US1060M
D751	8-719-000-26	DIODE US1060M
D752	8-719-933-43	DIODE HZS7A1L
D753	8-719-933-41	DIODE HZS6C3L
D754	8-719-000-26	DIODE US1060M
D755	8-719-000-26	DIODE US1060M
D756	8-719-000-26	DIODE US1060M
D757	8-719-000-26	DIODE US1060M
D758	8-719-000-26	DIODE US1060M
D759	8-719-000-26	DIODE US1060M
D760	8-719-000-26	DIODE US1060M
D761	8-719-000-26	DIODE US1060M
D763	8-719-000-26	DIODE US1060M
D764	8-719-000-26	DIODE US1060M
D765	8-719-000-26	DIODE US1060M
D766	8-719-000-26	DIODE US1060M
D767	8-719-000-26	DIODE US1060M
D768	8-719-000-26	DIODE US1060M
D769	8-719-000-26	DIODE US1060M
D770	8-719-000-26	DIODE US1060M
D801	8-719-302-38	DIODE RBV-602-01
D802	8-719-934-26	DIODE HZS33-2L
D803	8-719-175-88	DIODE RD7.5F
D811	8-719-200-77	DIODE 10E2N
D812	8-719-200-77	DIODE 10E2N
D813	8-719-200-77	DIODE 10E2N
D814	8-719-200-77	DIODE 10E2N
D815	8-719-000-06	DIODE MC921
D816	8-719-933-41	DIODE HZS6C3L
D817	8-719-914-11	DIODE HZ4ALL
D818	8-719-000-26	DIODE US1060M
D819	8-719-000-26	DIODE US1060M
D820	8-719-000-26	DIODE US1060M
D831	8-719-511-40	DIODE S1VB40
F801	⚠.1-532-748-11	(AV900)....FUSE, GLASS TUBE (6.3A)
F801	⚠.1-532-749-11	(AV1000)...FUSE, GLASS TUBE (8A)
F802	⚠.1-532-748-11	(AV900)....FUSE, GLASS TUBE (6.3A)
F802	⚠.1-532-749-11	(AV1000)...FUSE, GLASS TUBE (8A)
F821	⚠.1-532-746-11	FUSE, GLASS TUBE (4A)

Note:	**Note:**
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Ref.No.	Part No.	Description
FE101	1-463-862-11	FRONT END, FM
FE102	1-235-936-11	ENCAPSULATED COMPONENT (AM)
FL301	1-519-461-11	INDICATOR TUBE, FLUORESCENT
IC101	8-759-804-55	IC LA1266
IC102	8-759-801-80	IC LA3401
IC103	8-757-925-20	IC CX-7925B
IC201	8-759-601-41	IC M4053BP
IC202	8-759-601-40	(AV1000)...IC M4052BP
IC301	8-759-141-94	IC UPD75216AGF-513-3BE
IC302	8-759-820-59	IC LC7565
IC303	8-749-901-49	IC SBX1492-51
IC401	8-759-602-02	IC M5219P
IC402	8-759-805-14	IC LC7822
IC403	8-759-805-14	IC LC7822
IC404	8-759-320-39	IC HD614042FH46
IC405	8-759-820-62	IC LB1639
IC406	8-757-700-00	IC CX-770
IC501	8-759-106-61	IC UPC4570HA
IC502	8-759-820-60	IC LC7520
IC503	8-759-106-61	IC UPC4570HA
IC504	8-759-106-41	IC UPC4570C
IC505	8-759-106-41	IC UPC4570C
IC506	8-759-106-41	IC UPC4570C
IC507	8-759-106-41	IC UPC4570C
IC508	8-759-106-41	IC UPC4570C
IC509	8-759-106-41	IC UPC4570C
IC510	8-759-106-41	IC UPC4570C
IC511	8-759-106-61	IC UPC4570HA
IC512	8-759-106-61	IC UPC4570HA
IC513	8-757-700-00	IC CX-770
IC601	8-759-600-02	IC M5218L
IC602	8-759-600-02	IC M5218L
IC603	8-759-600-02	IC M5218L
IC604	8-759-600-02	IC M5218L
IC831	8-759-604-34	IC M5F7815
IC832	8-759-604-52	IC M5F7915
J201	1-565-319-11	JACK, PIN 2P(MONITOR/VIDEO 1 VIDEO IN)
J202	1-565-319-11	JACK, PIN 2P(VIDEO 2/VIDEO 1 VIDEO OUT)
J401	1-563-136-21	(AV1000)...JACK, PIN 3P (VIDEO 3 INPUT)
J402	1-565-258-21	JACK, PIN 4P (TAPE 2)
J403	1-565-320-11	JACK, PIN 6P(VIDEO 1/VIDEO 2)
J404	1-565-320-11	JACK, PIN 6P(TAPE 1/DAT IN)
J405	1-565-320-11	JACK, PIN 6P (PHONO/CD/DAT OUT)
L101	1-410-328-11	INDUCTOR 10UH
L102	1-410-576-11	INDUCTOR 1MMH
L103	1-410-328-11	INDUCTOR 10UH
L201	1-410-328-11	INDUCTOR 10UH
L301	1-410-328-11	INDUCTOR 10UH
L481	1-410-328-11	INDUCTOR 10UH
L701	*1-420-872-00	COIL, AIR CORE
L751	*1-420-872-00	COIL, AIR CORE
L810	1-408-117-00	INDUCTOR 10UH
L811	1-408-117-00	INDUCTOR 10UH
LPF101	1-235-164-00	FILTER, LOW PASS
LPF102	1-235-164-00	FILTER, LOW PASS
Q101	8-729-672-42	TRANSISTOR 2SC2724-C
Q102	8-729-672-42	TRANSISTOR 2SC2724-C
Q106	8-729-900-36	TRANSISTOR DTC124ES
Q107	8-729-201-84	TRANSISTOR 2SC3112B
Q108	8-729-203-05	TRANSISTOR 2SK30AGR33
Q109	8-729-900-36	TRANSISTOR DTC124ES
Q110	8-729-117-54	TRANSISTOR 2SA1175
Q111	8-729-178-55	TRANSISTOR 2SC2785
Q112	8-729-900-36	TRANSISTOR DTC124ES
Q203	8-729-178-55	TRANSISTOR 2SC2785
Q211	8-729-117-54	TRANSISTOR 2SA1175
Q212	8-729-117-54	TRANSISTOR 2SA1175
Q213	8-729-178-55	TRANSISTOR 2SC2785-E
Q214	8-729-178-55	TRANSISTOR 2SC2785-E
Q215	8-729-178-55	TRANSISTOR 2SC2785-E
Q231	8-729-117-54	TRANSISTOR 2SA1175
Q232	8-729-117-54	TRANSISTOR 2SA1175
Q233	8-729-178-55	TRANSISTOR 2SC2785-E
Q234	8-729-178-55	TRANSISTOR 2SC2785-E
Q235	8-729-178-55	TRANSISTOR 2SC2785-E
Q251	8-729-600-27	(AV1000)...TRANSISTOR 2SC634SP
Q252	8-729-600-27	(AV1000)...TRANSISTOR 2SC634SP
Q263	8-729-600-27	(AV1000)...TRANSISTOR 2SC634SP
Q264	8-729-600-27	(AV1000)...TRANSISTOR 2SC634SP
Q281	8-729-900-36	TRANSISTOR DTC124ES
Q282	8-729-900-63	TRANSISTOR DTA124ES
Q301	8-729-900-89	TRANSISTOR DTC144ES
Q302	8-729-900-36	TRANSISTOR DTC124ES
Q303	8-729-900-36	TRANSISTOR DTC124ES
Q305	8-729-900-63	TRANSISTOR DTA124ES
Q306	8-729-900-63	TRANSISTOR DTA124ES
Q307	8-729-900-63	TRANSISTOR DTA124ES
Q308	8-729-900-63	TRANSISTOR DTA124ES
Q309	8-729-900-63	TRANSISTOR DTA124ES
Q310	8-729-900-63	TRANSISTOR DTA124ES
Q311	8-729-900-36	TRANSISTOR DTC124ES
Q312	8-729-900-36	TRANSISTOR DTC124ES
Q313	8-729-900-36	TRANSISTOR DTC124ES
Q401	8-729-107-98	TRANSISTOR 2SC3622A-L
Q402	8-729-900-36	TRANSISTOR DTC124ES
Q403	8-729-900-36	TRANSISTOR DTC124ES
Q404	8-729-900-63	TRANSISTOR DTA124ES
Q405	8-729-900-36	TRANSISTOR DTC124ES
Q451	8-729-107-98	TRANSISTOR 2SC3622A-L
Q531	8-729-107-98	TRANSISTOR 2SC3622A-L
Q532	8-729-900-36	TRANSISTOR DTC124ES
Q541	8-729-107-98	TRANSISTOR 2SC3622A-L
Q585	8-729-900-36	TRANSISTOR DTC124ES
Q586	8-729-900-36	TRANSISTOR DTC124ES
Q587	8-729-900-63	TRANSISTOR DTA124ES
Q591	8-729-107-98	TRANSISTOR 2SC3622A-L
Q701	8-729-117-54	TRANSISTOR 2SA1175
Q702	8-729-108-05	TRANSISTOR 2SC1841-PA
Q703	8-729-108-05	TRANSISTOR 2SC1841-PA
Q704	8-729-203-21	TRANSISTOR 2SK389-GR
Q705	8-729-168-22	TRANSISTOR 2SC2682
Q706	8-729-117-54	TRANSISTOR 2SA1175
Q707	8-729-114-22	TRANSISTOR 2SA1142
Q708	8-729-168-22	TRANSISTOR 2SC2682
Q709	8-729-209-15	TRANSISTOR 2SD1012

Ref.No.	Part No.	Description			
Q711	8-729-168-22	TRANSISTOR 2SC2682			
Q712	8-729-114-22	TRANSISTOR 2SA1142			
Q713	8-729-120-05	TRANSISTOR 2SC4431-Q			
Q714	8-729-120-02	TRANSISTOR 2SA1684-Q			
Q715	8-729-300-36	(AV1000)...TRANSISTOR 2SC2921			
Q715	8-729-303-88	(AV900)....TRANSISTOR 2SC3856			
Q716	8-729-300-22	(AV1000)...TRANSISTOR 2SA1215			
Q716	8-729-303-85	(AV900)....TRANSISTOR 2SA1492			
Q717	8-729-108-14	TRANSISTOR 2SA988-F			
Q718	8-729-108-14	TRANSISTOR 2SA988-F			
Q721	8-729-108-05	TRANSISTOR 2SC1841-PA			
Q722	8-729-600-27	TRANSISTOR 2SC634SP			
Q723	8-729-600-27	TRANSISTOR 2SC634SP			
Q724	8-729-600-27	TRANSISTOR 2SC634SP			
Q751	8-729-117-54	TRANSISTOR 2SA1175			
Q752	8-729-108-05	TRANSISTOR 2SC1841-PA			
Q753	8-729-108-05	TRANSISTOR 2SC1841-PA			
Q754	8-729-203-21	TRANSISTOR 2SK389-GR			
Q755	8-729-168-22	TRANSISTOR 2SC2682			
Q756	8-729-117-54	TRANSISTOR 2SA1175			
Q757	8-729-114-22	TRANSISTOR 2SA1142			
Q758	8-729-168-22	TRANSISTOR 2SC2682			
Q759	8-729-209-15	TRANSISTOR 2SD2012			
Q761	8-729-168-22	TRANSISTOR 2SC2682			
Q762	8-729-114-22	TRANSISTOR 2SA1142			
Q763	8-729-120-05	TRANSISTOR 2SC4431-Q			
Q764	8-729-120-02	TRANSISTOR 2SA1684-Q			
Q765	8-729-300-36	(AV1000)...TRANSISTOR 2SC2921			
Q765	8-729-303-88	(AV900)....TRANSISTOR 2SC3856			
Q766	8-729-300-22	(AV1000)...TRANSISTOR 2SA1215			
Q766	8-729-303-85	(AV900)....TRANSISTOR 2SA1492			
Q767	8-729-108-14	TRANSISTOR 2SA988-F			
Q768	8-729-108-14	TRANSISTOR 2SA988-F			
Q801	8-729-114-22	TRANSISTOR 2SA1142			
Q811	8-729-209-15	TRANSISTOR 2SD2012			
Q812	8-729-600-27	TRANSISTOR 2SC634SP			
Q813	8-729-600-27	TRANSISTOR 2SC634SP			
Q814	8-729-115-22	TRANSISTOR BN1A3Q			
Q815	8-729-900-63	TRANSISTOR DTA124ES			
Q825	8-729-117-54	TRANSISTOR 2SA1175			
Q826	8-729-600-27	TRANSISTOR 2SC634SP			
R102	1-249-401-11	CARBON	47	5%	1/4W
R103	1-249-411-11	CARBON	330	5%	1/4W
R104	1-249-415-11	CARBON	680	5%	1/4W
R105	1-249-431-11	CARBON	15K	5%	1/4W
R106	1-249-411-11	CARBON	330	5%	1/4W
R107	1-249-434-11	CARBON	27K	5%	1/4W
R108	1-249-406-11	CARBON	120	5%	1/4W
R116	1-249-431-11	CARBON	15K	5%	1/4W
R117	1-249-423-11	CARBON	3.3K	5%	1/4W
R118	1-249-406-11	CARBON	120	5%	1/4W
R119	1-249-433-11	CARBON	22K	5%	1/4W
R121	1-249-441-11	CARBON	100K	5%	1/4W

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part *number specified.*

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			
R122	1-249-437-11	CARBON	47K	5%	1/4W
R123	1-249-402-11	CARBON	56	5%	1/4W
R124	1-249-430-11	CARBON	12K	5%	1/4W
R125	1-249-421-11	CARBON	2.2K	5%	1/4W
R126	1-249-429-11	CARBON	10K	5%	1/4W
R127	1-249-429-11	CARBON	10K	5%	1/4W
R128	1-249-404-00	CARBON	82	5%	1/4W
R129	1-249-423-11	CARBON	3.3K	5%	1/4W
R132	1-249-438-11	CARBON	56K	5%	1/4W
R133	1-247-881-00	CARBON	120K	5%	1/4W
R134	1-247-883-00	CARBON	150K	5%	1/4W
R135	1-247-881-00	CARBON	120K	5%	1/4W
R136	1-247-883-00	CARBON	150K	5%	1/4W
R137	1-249-423-11	CARBON	3.3K	5%	1/4W
R138	1-249-423-11	CARBON	3.3K	5%	1/4W
R141	1-249-425-11	CARBON	4.7K	5%	1/4W
R142	1-249-425-11	CARBON	4.7K	5%	1/4W
R143	1-249-406-11	CARBON	120	5%	1/4W
R144	1-249-423-11	CARBON	3.3K	5%	1/4W
R149	1-249-438-11	CARBON	56K	5%	1/4W
R151	1-249-417-11	CARBON	1K	5%	1/4W
R152	1-249-429-11	CARBON	10K	5%	1/4W
R156	1-249-415-11	CARBON	680	5%	1/4W
R157	1-249-425-11	CARBON	4.7K	5%	1/4W
R158	1-249-425-11	CARBON	4.7K	5%	1/4W
R159	1-249-425-11	CARBON	4.7K	5%	1/4W
R160	1-249-414-11	CARBON	560	5%	1/4W
R161	1-249-418-11	CARBON	1.2K	5%	1/4W
R162	1-249-413-11	CARBON	470	5%	1/4W
R163	1-249-433-11	CARBON	22K	5%	1/4W
R164	1-249-411-11	CARBON	330	5%	1/4W
R165	1-249-406-11	CARBON	120	5%	1/4W
R166	1-249-417-11	CARBON	1K	5%	1/4W
R167	1-249-429-11	CARBON	10K	5%	1/4W
R168	1-249-429-11	CARBON	10K	5%	1/4W
R169	1-249-429-11	CARBON	10K	5%	1/4W
R170	1-249-429-11	CARBON	10K	5%	1/4W
R171	1-249-429-11	CARBON	10K	5%	1/4W
R204	1-249-429-11	CARBON	10K	5%	1/4W
R205	1-249-417-11	CARBON	1K	5%	1/4W
R206	1-249-393-11	CARBON	10	5%	1/4W
R211	1-215-394-00	CARBON	75	5%	1/4W
R212	1-215-394-00	CARBON	75	5%	1/4W
R213	1-215-394-00	(AV1000)...CARBON	75	5%	1/4W
R214	1-215-394-00	CARBON	75	5%	1/4W
R215	1-249-417-11	CARBON	1K	5%	1/4W
R216	1-249-401-11	CARBON	47	5%	1/4W
R217	1-249-418-11	CARBON	1.2K	5%	1/4W
R218	1-249-424-11	CARBON	3.9K	5%	1/4W
R219	1-249-440-11	CARBON	82K	5%	1/4W
R220	1-249-405-11	CARBON	100	5%	1/4W
R221	1-249-423-11	CARBON	3.3K	5%	1/4W
R222	1-249-423-11	CARBON	3.3K	5%	1/4W
R223	1-249-415-11	CARBON	680	5%	1/4W
R224	1-249-434-11	CARBON	27K	5%	1/4W
R231	1-215-394-00	CARBON	75	5%	1/4W
R232	1-249-417-11	CARBON	1K	5%	1/4W

Ref.No.	Part No.	Description			
R233	1-249-401-11	CARBON	47	5%	1/4W
R234	1-249-418-11	CARBON	1.2K	5%	1/4W
R235	1-249-424-11	CARBON	3.9K	5%	1/4W
R236	1-249-440-11	CARBON	82K	5%	1/4W
R237	1-249-405-11	CARBON	100	5%	1/4W
R238	1-249-423-11	CARBON	3.3K	5%	1/4W
R239	1-249-423-11	CARBON	3.3K	5%	1/4W
R240	1-249-415-11	CARBON	680	5%	1/4W
R241	1-249-434-11	CARBON	27K	5%	1/4W
R251	1-215-394-00	(AV1000)...CARBON	75	5%	1/4W
R252	1-249-417-11	(AV1000)...CARBON	1K	5%	1/4W
R253	1-215-394-00	(AV1000)...CARBON	75	5%	1/4W
R254	1-249-417-11	(AV1000)...CARBON	1K	5%	1/4W
R255	1-215-394-00	(AV1000)...CARBON	75	5%	1/4W
R256	1-249-417-11	(AV1000)...CARBON	1K	5%	1/4W
R257	1-249-410-11	(AV1000)...CARBON	270	5%	1/4W
R258	1-215-394-00	(AV1000)...CARBON	75	5%	1/4W
R259	1-249-417-11	(AV1000)...CARBON	1K	5%	1/4W
R260	1-249-410-11	(AV1000)...CARBON	270	5%	1/4W
R261	1-249-434-11	(AV1000)...CARBON	27K	5%	1/4W
R262	1-249-410-11	(AV1000)...CARBON	270	5%	1/4W
R263	1-249-434-11	(AV1000)...CARBON	27K	5%	1/4W
R264	1-249-405-11	(AV1000)...CARBON	100	5%	1/4W
R265	1-249-434-11	(AV1000)...CARBON	27K	5%	1/4W
R266	1-249-410-11	(AV1000)...CARBON	270	5%	1/4W
R267	1-249-434-11	(AV1000)...CARBON	27K	5%	1/4W
R268	1-249-405-11	(AV1000)...CARBON	100	5%	1/4W
R271	1-249-434-11	(AV1000)...CARBON	27K	5%	1/4W
R272	1-249-437-00	(AV1000)...CARBON	47K	5%	1/4W
R273	1-249-437-00	(AV1000)...CARBON	47K	5%	1/4W
R274	1-249-434-11	(AV1000)...CARBON	27K	5%	1/4W
R275	1-249-405-11	(AV1000)...CARBON	100	5%	1/4W
R276	1-249-405-11	(AV1000)...CARBON	100	5%	1/4W
R277	1-247-895-00	(AV1000)...CARBON	470K	5%	1/4W
R278	1-247-895-00	(AV1000)...CARBON	470K	5%	1/4W
R279	1-249-437-11	(AV1000)...CARBON	47K	5%	1/4W
R288	1-249-426-11	CARBON	5.6K	5%	1/4W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R303	1-249-409-11	CARBON	220	5%	1/4W
R304	1-249-411-11	CARBON	330	5%	1/4W
R305	1-249-411-11	CARBON	330	5%	1/4W
R306	1-249-429-11	CARBON	10K	5%	1/4W
R307	1-249-433-11	CARBON	22K	5%	1/4W
R311	1-249-429-11	CARBON	10K	5%	1/4W
R312	1-249-405-11	CARBON	100	5%	1/4W
R313	1-249-405-11	CARBON	100	5%	1/4W
R314	1-249-441-11	CARBON	100K	5%	1/4W
R315	1-249-441-11	CARBON	100K	5%	1/4W
R316	1-249-441-11	CARBON	100K	5%	1/4W
R317	1-249-441-11	CARBON	100K	5%	1/4W
R318	1-249-429-11	CARBON	10K	5%	1/4W
R319	1-249-441-11	CARBON	100K	5%	1/4W
R321	1-249-425-11	CARBON	4.7K	5%	1/4W
R322	1-249-425-11	CARBON	4.7K	5%	1/4W
R323	1-249-425-11	CARBON	4.7K	5%	1/4W
R324	1-249-425-11	CARBON	4.7K	5%	1/4W
R325	1-249-425-11	CARBON	4.7K	5%	1/4W

Ref.No.	Part No.	Description			
R326	1-249-425-11	CARBON	4.7K	5%	1/4W
R327	1-249-425-11	CARBON	4.7K	5%	1/4W
R328	1-249-425-11	CARBON	4.7K	5%	1/4W
R331	1-249-411-11	CARBON	330	5%	1/4W
R332	1-249-411-11	CARBON	330	5%	1/4W
R333	1-249-411-11	CARBON	330	5%	1/4W
R334	1-249-411-11	CARBON	330	5%	1/4W
R335	1-249-411-11	CARBON	330	5%	1/4W
R336	1-249-411-11	CARBON	330	5%	1/4W
R337	1-249-411-11	CARBON	330	5%	1/4W
R338	1-249-411-11	CARBON	330	5%	1/4W
R341	1-249-431-11	CARBON	15K	5%	1/4W
R342	1-215-486-00	CARBON	510K	5%	1/4W
R343	1-249-417-11	CARBON	1K	5%	1/4W
R351	1-249-441-11	CARBON	100K	5%	1/4W
R352	1-249-441-11	CARBON	100K	5%	1/4W
R353	1-249-441-11	CARBON	100K	5%	1/4W
R354	1-249-437-11	CARBON	47K	5%	1/4W
R355	1-249-437-11	CARBON	47K	5%	1/4W
R401	1-249-411-11	CARBON	330	5%	1/4W
R402	1-249-417-11	CARBON	1K	5%	1/4W
R403	1-249-417-11	CARBON	1K	5%	1/4W
R404	1-249-417-11	CARBON	1K	5%	1/4W
R405	1-249-417-11	CARBON	1K	5%	1/4W
R406	1-249-417-11	CARBON	1K	5%	1/4W
R407	1-249-417-11	CARBON	1K	5%	1/4W
R408	1-249-417-11	CARBON	1K	5%	1/4W
R409	1-249-417-11	CARBON	1K	5%	1/4W
R410	1-249-417-11	CARBON	1K	5%	1/4W
R411	1-249-417-11	CARBON	1K	5%	1/4W
R412	1-249-417-11	(AV1000)...CARBON	1K	5%	1/4W
R413	1-249-429-11	CARBON	10K	5%	1/4W
R414	1-249-433-11	CARBON	22K	5%	1/4W
R415	1-249-433-11	CARBON	22K	5%	1/4W
R421	1-249-441-11	CARBON	100K	5%	1/4W
R422	1-249-441-11	CARBON	100K	5%	1/4W
R423	1-249-417-11	CARBON	1K	5%	1/4W
R424	1-215-487-00	CARBON	560K	5%	1/4W
R425	1-249-437-11	CARBON	47K	5%	1/4W
R426	1-249-441-11	CARBON	100K	5%	1/4W
R427	1-249-409-11	CARBON	220	5%	1/4W
R431	1-249-425-11	CARBON	4.7K	5%	1/4W
R451	1-249-411-11	CARBON	330	5%	1/4W
R452	1-249-417-11	CARBON	1K	5%	1/4W
R453	1-249-417-11	CARBON	1K	5%	1/4W
R454	1-249-417-11	CARBON	1K	5%	1/4W
R455	1-249-417-11	CARBON	1K	5%	1/4W
R456	1-249-417-11	CARBON	1K	5%	1/4W
R457	1-249-417-11	CARBON	1K	5%	1/4W
R458	1-249-417-11	CARBON	1K	5%	1/4W
R459	1-249-417-11	CARBON	1K	5%	1/4W
R460	1-249-417-11	CARBON	1K	5%	1/4W
R461	1-249-417-11	CARBON	1K	5%	1/4W
R462	1-249-417-11	(AV1000)...CARBON	1K	5%	1/4W
R463	1-249-429-11	CARBON	10K	5%	1/4W
R471	1-249-441-11	CARBON	100K	5%	1/4W
R472	1-249-441-11	CARBON	100K	5%	1/4W

Ref.No.	Part No.	Description				
R473	1-249-417-11	CARBON	1K	5%	1/4W	
R474	1-215-487-00	CARBON	560K	5%	1/4W	
R475	1-249-437-11	CARBON	47K	5%	1/4W	
R476	1-249-441-11	CARBON	100K	5%	1/4W	
R477	1-249-409-11	CARBON	220	5%	1/4W	
R481	1-249-425-11	CARBON	4.7K	5%	1/4W	
R482	1-247-895-00	CARBON	470K	5%	1/4W	
R483	1-247-903-00	CARBON	1M	5%	1/4W	
R484	1-249-441-11	CARBON	100K	5%	1/4W	
R485	1-215-491-00	CARBON	820K	5%	1/4W	
R491	1-249-387-11	CARBON	3.3	5%	1/4W	
R493	1-249-437-11	CARBON	47K	5%	1/4W	
R494	1-249-437-11	CARBON	47K	5%	1/4W	
R501	1-249-441-11	CARBON	100K	5%	1/4W	
R502	1-249-441-11	CARBON	100K	5%	1/4W	
R503	1-249-429-11	CARBON	10K	5%	1/4W	
R504	1-249-429-11	CARBON	10K	5%	1/4W	
R505	1-247-895-00	CARBON	470K	5%	1/4W	
R506	1-247-895-00	CARBON	470K	5%	1/4W	
R509	1-249-441-11	CARBON	100K	5%	1/4W	
R511	1-247-903-00	CARBON	1M	5%	1/4W	
R512	1-247-881-00	CARBON	120K	5%	1/4W	
R513	1-249-414-11	CARBON	560	5%	1/4W	
R514	1-247-903-00	CARBON	1M	5%	1/4W	
R515	1-249-415-11	CARBON	680	5%	1/4W	
R516	1-247-881-00	CARBON	120K	5%	1/4W	
R517	1-247-903-00	CARBON	1M	5%	1/4W	
R518	1-249-414-11	CARBON	560	5%	1/4W	
R519	1-247-881-00	CARBON	120K	5%	1/4W	
R520	1-247-903-00	CARBON	1M	5%	1/4W	
R521	1-249-415-11	CARBON	680	5%	1/4W	
R522	1-247-881-00	CARBON	120K	5%	1/4W	
R523	1-247-903-00	CARBON	1M	5%	1/4W	
R524	1-249-415-11	CARBON	680	5%	1/4W	
R525	1-247-881-00	CARBON	120K	5%	1/4W	
R526	1-247-903-00	CARBON	1M	5%	1/4W	
R527	1-249-415-11	CARBON	680	5%	1/4W	
R528	1-247-881-00	CARBON	120K	5%	1/4W	
R529	1-247-903-00	CARBON	1M	5%	1/4W	
R530	1-249-415-11	CARBON	680	5%	1/4W	
R531	1-247-881-00	CARBON	120K	5%	1/4W	
R532	1-249-429-11	CARBON	10K	5%	1/4W	
R533	1-249-429-11	CARBON	10K	5%	1/4W	
R534	1-249-423-11	CARBON	3.3K	5%	1/4W	
R535	1-249-433-11	CARBON	22K	5%	1/4W	
R536	1-249-429-11	CARBON	10K	5%	1/4W	
R537	1-249-429-11	CARBON	10K	5%	1/4W	
R538	1-249-429-11	CARBON	10K	5%	1/4W	
R539	1-249-429-11	CARBON	10K	5%	1/4W	
R541	1-249-429-11	CARBON	10K	5%	1/4W	
R542	1-249-429-11	CARBON	10K	5%	1/4W	
R543	1-249-405-11	CARBON	100	5%	1/4W	
R544	1-249-437-11	CARBON	47K	5%	1/4W	
R545	1-249-425-11	CARBON	4.7K	5%	1/4W	
R546	1-249-429-11	CARBON	10K	5%	1/4W	
R548	1-247-903-00	CARBON	1M	5%	1/4W	
R549	1-249-409-11	CARBON	220	5%	1/4W	

Ref.No.	Part No.	Description				
R551	1-249-441-11	CARBON	100K	5%	1/4W	
R552	1-249-441-11	CARBON	100K	5%	1/4W	
R553	1-249-429-11	CARBON	10K	5%	1/4W	
R554	1-249-429-11	CARBON	10K	5%	1/4W	
R555	1-247-895-00	CARBON	470K	5%	1/4W	
R556	1-247-895-00	CARBON	470K	5%	1/4W	
R559	1-249-441-11	CARBON	100K	5%	1/4W	
R561	1-247-903-00	CARBON	1M	5%	1/4W	
R562	1-249-414-11	CARBON	560	5%	1/4W	
R563	1-247-881-00	CARBON	120K	5%	1/4W	
R564	1-247-903-00	CARBON	1M	5%	1/4W	
R565	1-249-415-11	CARBON	680	5%	1/4W	
R566	1-247-881-00	CARBON	120K	5%	1/4W	
R567	1-247-903-00	CARBON	1M	5%	1/4W	
R568	1-249-414-11	CARBON	560	5%	1/4W	
R569	1-247-881-00	CARBON	120K	5%	1/4W	
R570	1-247-903-00	CARBON	1M	5%	1/4W	
R571	1-249-415-11	CARBON	680	5%	1/4W	
R572	1-247-881-00	CARBON	120K	5%	1/4W	
R573	1-247-903-00	CARBON	1M	5%	1/4W	
R574	1-249-415-11	CARBON	680	5%	1/4W	
R575	1-247-881-00	CARBON	120K	5%	1/4W	
R576	1-247-903-00	CARBON	1M	5%	1/4W	
R577	1-249-415-11	CARBON	680	5%	1/4W	
R578	1-247-881-00	CARBON	120K	5%	1/4W	
R579	1-247-903-00	CARBON	1M	5%	1/4W	
R580	1-249-415-11	CARBON	680	5%	1/4W	
R581	1-247-881-00	CARBON	120K	5%	1/4W	
R585	1-249-433-11	CARBON	22K	5%	1/4W	
R587	1-249-441-11	CARBON	100K	5%	1/4W	
R589	1-249-429-11	CARBON	10K	5%	1/4W	
R591	1-249-429-11	CARBON	10K	5%	1/4W	
R592	1-249-429-11	CARBON	10K	5%	1/4W	
R593	1-249-405-11	CARBON	100	5%	1/4W	
R594	1-249-437-11	CARBON	47K	5%	1/4W	
R595	1-249-425-11	CARBON	4.7K	5%	1/4W	
R596	1-249-429-11	CARBON	10K	5%	1/4W	
R598	1-247-903-00	CARBON	1M	5%	1/4W	
R601	1-249-441-11	CARBON	100K	5%	1/4W	
R602	1-249-417-11	CARBON	1K	5%	1/4W	
R603	1-249-411-11	CARBON	330	5%	1/4W	
R604	1-247-885-00	CARBON	180K	5%	1/4W	
R605	1-249-429-11	CARBON	10K	5%	1/4W	
R606	1-249-440-11	CARBON	82K	5%	1/4W	
R607	1-247-903-00	CARBON	1M	5%	1/4W	
R608	1-249-423-11	CARBON	3.3K	5%	1/4W	
R609	1-249-441-11	CARBON	100K	5%	1/4W	
R610	1-247-903-00	CARBON	1M	5%	1/4W	
R612	1-249-424-11	CARBON	3.9K	5%	1/4W	
R613	1-249-441-11	CARBON	100K	5%	1/4W	
R614	1-247-903-00	CARBON	1M	5%	1/4W	
R615	1-249-426-11	CARBON	5.6K	5%	1/4W	
R616	1-249-440-11	CARBON	82K	5%	1/4W	
R617	1-247-903-00	CARBON	1M	5%	1/4W	
R618	1-249-421-11	CARBON	2.2K	5%	1/4W	
R619	1-249-433-11	CARBON	22K	5%	1/4W	
R620	1-247-889-00	CARBON	270K	5%	1/4W	

Ref.No.	Part No.	Description				
R621	1-249-416-11	CARBON	820	5%	1/4W	
R622	1-249-429-11	CARBON	10K	5%	1/4W	
R623	1-247-881-00	CARBON	120K	5%	1/4W	
R624	1-249-414-11	CARBON	560	5%	1/4W	
R625	1-249-424-11	CARBON	3.9K	5%	1/4W	
R626	1-249-437-11	CARBON	47K	5%	1/4W	
R627	1-249-410-11	CARBON	270	5%	1/4W	
R628	1-249-441-11	CARBON	100K	5%	1/4W	
R629	1-249-441-11	CARBON	100K	5%	1/4W	
R630	1-249-441-11	CARBON	100K	5%	1/4W	
R631	1-249-441-11	CARBON	100K	5%	1/4W	
R632	1-249-441-11	CARBON	100K	5%	1/4W	
R633	1-249-441-11	CARBON	100K	5%	1/4W	
R634	1-249-441-11	CARBON	100K	5%	1/4W	
R635	1-249-435-11	CARBON	33K	5%	1/4W	
R636	1-249-441-11	CARBON	100K	5%	1/4W	
R637	1-249-431-11	CARBON	15K	5%	1/4W	
R651	1-249-441-11	CARBON	100K	5%	1/4W	
R701	1-249-417-11	CARBON	1K	5%	1/4W	
R702 ⚠	.1-249-409-11	CARBON	220	5%	1/4W	F
R703 ⚠	.1-249-409-11	CARBON	220	5%	1/4W	F
R704	1-249-405-11	CARBON	100	5%	1/4W	
R705	1-247-903-00	CARBON	1M	5%	1/4W	
R706 ⚠	.1-247-694-11	CARBON	33	5%	1/4W	F
R707	1-249-409-11	CARBON	220	5%	1/4W	
R708	1-249-421-11	CARBON	2.2K	5%	1/4W	
R709	1-249-419-11	CARBON	1.5K	5%	1/4W	
R710	1-202-727-00	CARBON	4.7M	5%	1/3W	
R711	1-249-434-11	CARBON	27K	5%	1/4W	
R712	1-249-406-11	CARBON	120	5%	1/4W	
R713	1-249-490-11	CARBON	27K	5%	1/2W	
R714	1-249-425-11	CARBON	4.7K	5%	1/4W	
R715 ⚠	.1-247-700-11	CARBON	100	5%	1/4W	F
R716	1-249-422-11	CARBON	2.7K	5%	1/4W	
R717	1-249-415-11	CARBON	680	5%	1/4W	
R718 ⚠	.1-247-688-00	CARBON	10	5%	1/4W	F
R719 ⚠	.1-247-708-11	CARBON	470	5%	1/4W	F
R720 ⚠	.1-247-688-00	CARBON	10	5%	1/4W	F
R721 ⚠	.1-247-688-00	CARBON	10	5%	1/4W	F
R722 ⚠	.1-247-739-00	CARBON	100	5%	1/2W	F
R723 ⚠	.1-247-688-00	CARBON	10	5%	1/4W	F
R724 ⚠	.1-214-789-00	RES, METAL PLATE 0.1			5W	F
R725 ⚠	.1-214-789-00	RES, METAL PLATE 0.1			5W	F
R726	1-249-482-11	CARBON	4.7	5%	1/2W	
R727	1-247-727-11	CARBON	10	5%	1/2W	
R728	1-249-425-11	CARBON	4.7K	5%	1/4W	
R730	1-249-405-11	CARBON	100	5%	1/4W	
R731	1-249-419-11	CARBON	1.5K	5%	1/4W	
R732	1-249-431-11	CARBON	15K	5%	1/4W	
R733	1-249-429-11	CARBON	10K	5%	1/4W	
R734	1-249-438-11	CARBON	56K	5%	1/4W	
R735	1-249-437-11	CARBON	47K	5%	1/4W	
R736	1-249-417-11	CARBON	1K	5%	1/4W	
R737	1-249-433-11	CARBON	22K	5%	1/4W	
R738	1-249-434-11	CARBON	27K	5%	1/4W	
R739	1-249-405-11	CARBON	100	5%	1/4W	
R740	1-249-417-11	CARBON	1K	5%	1/4W	

Ref.No.	Part No.	Description				
R741	1-249-431-11	CARBON	15K	5%	1/4W	
R743 ⚠	.1-216-431-11	METAL OXIDE	560	5%	1W	F
R751	1-249-417-11	CARBON	1K	5%	1/4W	
R752 ⚠	.1-249-409-11	CARBON	220	5%	1/4W	F
R753 ⚠	.1-249-409-11	CARBON	220	5%	1/4W	F
R754	1-249-405-11	CARBON	100	5%	1/4W	
R755	1-247-903-00	CARBON	1M	5%	1/4W	
R756 ⚠	.1-247-694-11	CARBON	33	5%	1/4W	F
R757	1-249-409-11	CARBON	220	5%	1/4W	
R758	1-249-421-11	CARBON	2.2K	5%	1/4W	
R759	1-249-419-11	CARBON	1.5K	5%	1/4W	
R760	1-202-727-00	CARBON	4.7M	5%	1/3W	
R761	1-249-434-11	CARBON	27K	5%	1/4W	
R762	1-249-406-11	CARBON	120	5%	1/4W	
R763	1-249-490-11	CARBON	27K	5%	1/2W	
R764	1-249-425-11	CARBON	4.7K	5%	1/4W	
R765 ⚠	.1-247-700-11	CARBON	100	5%	1/4W	F
R766	1-249-422-11	CARBON	2.7K	5%	1/4W	
R767	1-249-415-11	CARBON	680	5%	1/4W	
R768 ⚠	.1-247-688-00	CARBON	10	5%	1/4W	F
R769 ⚠	.1-247-708-11	CARBON	470	5%	1/4W	F
R770 ⚠	.1-247-688-00	CARBON	10	5%	1/4W	F
R771 ⚠	.1-247-688-00	CARBON	10	5%	1/4W	F
R772 ⚠	.1-247-739-00	CARBON	100	5%	1/2W	F
R773 ⚠	.1-247-688-00	CARBON	10	5%	1/4W	F
R774	1-214-789-00	RES, METAL PLATE 0.1			5W	
R775	1-214-789-00	RES, METAL PLATE 0.1			5W	
R776	1-249-482-11	CARBON	4.7	5%	1/2W	
R777	1-247-727-11	CARBON	10	5%	1/2W	
R780	1-249-405-11	CARBON	100	5%	1/4W	
R781	1-249-419-11	CARBON	1.5K	5%	1/4W	
R782	1-249-431-11	CARBON	15K	5%	1/4W	
R789	1-249-405-11	CARBON	100	5%	1/4W	
R790	1-249-417-11	CARBON	1K	5%	1/4W	
R791	1-249-431-11	CARBON	15K	5%	1/4W	
R793 ⚠	.1-216-431-11	METAL OXIDE	560	5%	1W	F
R801 ⚠	.1-247-704-11	CARBON	220	5%	1/4W	F
R803	1-249-426-11	CARBON	5.6K	5%	1/4W	
R810	1-249-396-11	CARBON	18	5%	1/4W	
R811	1-249-417-11	CARBON	1K	5%	1/4W	
R812	1-249-437-11	CARBON	47K	5%	1/4W	
R813	1-249-429-11	CARBON	10K	5%	1/4W	
R814	1-249-433-11	CARBON	22K	5%	1/4W	
R817	1-247-895-00	CARBON	470K	5%	1/4W	
R818	1-249-425-11	CARBON	4.7K	5%	1/4W	
R819	1-249-417-11	CARBON	1K	5%	1/4W	
R821	1-202-725-00	SOLID	3.3M	10%	1/2W	
R825	1-249-426-11	CARBON	5.6K	5%	1/4W	
R826	1-249-426-11	CARBON	5.6K	5%	1/4W	
R828	1-249-429-11	CARBON	10K	5%	1/4W	
R831 ⚠	.1-249-447-00	CARBON	1	5%	1/4W	F
R832 ⚠	.1-249-447-00	CARBON	1	5%	1/4W	F
R833 ⚠	.1-213-072-00	(AV1000:Canadian) ...RES,FUSE	33	5%	1W	F
R833 ⚠	.1-215-883-11	(AV1000:US)...METAL OXIDE	33	5%	2W	F
R833 ⚠	.1-215-880-00	(AV900:US) ...RES,METAL OXIDE FILM	10	5%	2W	F
R833 ⚠	.1-217-481-00	(AV900:Canadian) ...RES,FUSE	10	5%	1W	F

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
R834	⚠.1-215-882-00	(AV1000:US) .....METAL OXIDE 22 5% 2W F
R834	⚠.1-217-485-00	(AV1000:Canadian) .....RES,FUSE 22 5% 1W F
RB301	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100X7)
RB302	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100X7)
RB303	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100X7)
RB304	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100X7)
RB305	1-233-005-11	COMPOSITION CIRCUIT BLOCK (47KX9)
RT101	1-228-995-00	RES, ADJ, CARBON 22K
RT102	1-228-995-00	RES, ADJ, CARBON 22K
RT104	1-228-998-00	RES, ADJ, CARBON 220K
RT701	1-230-884-11	RES, ADJ, CARBON 500
RT751	1-230-884-11	RES, ADJ, CARBON 500
RV501	1-238-115-11	RES, VAR, CARBON 250K/250K (BALANCE)
RV502	1-238-114-11	RES, VAR, CARBON 250K/250K (VOLUME)
RY701	1-515-356-00	RELAY
RY821	1-515-701-11	RELAY
S301	1-554-303-21	SWITCH, KEY BOARD (1)
S302	1-554-303-21	SWITCH, KEY BOARD (2)
S303	1-554-303-21	SWITCH, KEY BOARD (3)
S304	1-554-303-21	SWITCH, KEY BOARD (STATION SCAN -)
S305	1-554-303-21	SWITCH, KEY BOARD (TUNING DIRECT)
S306	1-554-303-21	SWITCH, KEY BOARD (BAND AM)
S307	1-554-303-21	SWITCH, KEY BOARD (FM TUNING LEBEL)
S308	1-554-303-21	SWITCH, KEY BOARD (4)
S309	1-554-303-21	SWITCH, KEY BOARD (5)
S310	1-554-303-21	SWITCH, KEY BOARD (6)
S311	1-554-303-21	SWITCH, KEY BOARD (STATION SCAN +)
S312	1-554-303-21	SWITCH, KEY BOARD (FM MODE)
S313	1-554-303-21	SWITCH, KEY BOARD (BAND FM)
S314	1-554-303-21	SWITCH, KEY BOARD (TUNING SEARCH)
S315	1-554-303-21	SWITCH, KEY BOARD (7)
S316	1-554-303-21	SWITCH, KEY BOARD (8)
S317	1-554-303-21	SWITCH, KEY BOARD (9)
S318	1-554-303-21	SWITCH, KEY BOARD (0)
S319	1-554-303-21	SWITCH, KEY BOARD (ENTER)
S320	1-554-303-21	SWITCH, KEY BOARD (TUNER)
S321	1-554-303-21	SWITCH, KEY BOARD (DAT)
S322	1-554-303-21	(AV1000)...SWITCH, KEY BOARD (VIDEO 3)
S322	1-554-596-00	(AV900)....SWITCH, KEY BOARD (TAPE 1)
S323	1-554-303-21	SWITCH, KEY BOARD (VIDEO 1)
S324	1-554-303-21	SWITCH, KEY BOARD (TAPE 2)
S325	1-554-303-21	SWITCH, KEY BOARD (EDIT AUDIO)
S326	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S327	1-554-303-21	SWITCH, KEY BOARD (CD)
S328	1-554-303-21	(AV1000)...SWITCH, KEY BOARD (TAPE 1)
S329	1-554-303-21	SWITCH, KEY BOARD (VIDEO 2/CDV)
S330	1-554-303-21	SWITCH, KEY BOARD (SYSTEM POWER)
S331	1-554-303-21	(AV1000)..SWITCH, KEY BOARD(EDIT VIDEO)
S332	1-554-303-21	SWITCH, KEY BOARD (ROCK)
S333	1-554-303-21	SWITCH, KEY BOARD (JAZZ)
S334	1-554-303-21	SWITCH, KEY BOARD (POPS)
S335	1-554-303-21	SWITCH, KEY BOARD (TALK)
S336	1-554-303-21	SWITCH, KEY BOARD (CLASSIC)
S337	1-554-303-21	SWITCH, KEY BOARD (COUNTRY)
S338	1-554-303-21	SWITCH, KEY BOARD (OPTION-1)
S339	1-554-303-21	SWITCH, KEY BOARD (OPTION-2)
S340	1-554-303-21	SWITCH, KEY BOARD (INDEX)
S341	1-554-303-21	SWITCH, KEY BOARD (PRESET EQ LINK)
S342	1-554-303-21	SWITCH, KEY BOARD (LEVEL +)
S343	1-554-303-21	SWITCH, KEY BOARD (LEVEL -)
S344	1-554-303-21	SWITCH, KEY BOARD (DEFEAT)
S345	1-554-303-21	SWITCH, KEY BOARD (RTA/EQ)
S346	1-554-303-21	(AV1000)..SWITCH, KEY BOARD(PEAK HOLD)
S347	1-554-303-21	SWITCH, KEY BOARD (EQ)
S348	1-554-303-21	SWITCH, KEY BOARD (14k)
S349	1-554-303-21	SWITCH, KEY BOARD (6k)
S350	1-554-303-21	SWITCH, KEY BOARD (2.4k)
S351	1-554-303-21	SWITCH, KEY BOARD (1k)
S352	1-554-303-21	SWITCH, KEY BOARD (400)
S353	1-554-303-21	SWITCH, KEY BOARD (150)
S354	1-554-303-21	SWITCH, KEY BOARD (63)
S355	1-554-303-21	SWITCH, KEY BOARD (SUBSONIC)
S356	1-554-303-21	SWITCH, KEY BOARD (SURROUND)
S357	1-554-303-21	SWITCH, KEY BOARD (MUTING)
S700	1-571-485-11	SWITCH, PUSH (2 KEY)(SPEAKER A/B)
T101	1-404-743-11	COIL, DISCRIMINATOR
T102	1-404-742-11	COIL, DISCRIMINATOR
T103	1-404-713-11	TRANSFORMER, IF
T801	⚠.1-449-252-11	(AV1000)...TRANSFORMER, POWER
T801	⚠.1-449-254-11	(AV900)....TRANSFORMER, POWER
T820	⚠.1-448-517-21	TRANSFORMER, POWER
TM101	*1-562-907-11	CONNECTOR, F-J (ANTENNA FM 75)
TM102	1-536-707-00	TERMINAL BOARD, PUSH 2P (ANTENNA AM)
TM201	1-564-980-11	PIN, CONNECTOR 4P (CONTROL S)
TM701	1-536-706-00	TERMINAL BOARD (SP)(SPEAKER)
TP101	*1-560-060-00	PIN, CONNECTOR 2P
TP102	*1-560-060-00	PIN, CONNECTOR 2P
TP-A1	*1-560-061-00	PIN, CONNECTOR 3P
TP-A2	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
TP-A3	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
TP-A4	*1-565-344-11	PIN, CONNECTOR (PC BOARD) 8P
VZ821	⚠.1-807-293-31	VARISTOR SNR-14A221U
X101	1-567-826-11	VIBRATOR, CRYSTAL (7.2MHz)

ACCESSORY & PACKING MATERIAL

1-417-141-11	MATCHING TRANSFORMER, ANTENNA
1-463-984-11	(AV1000)...REMOTE COMMANDER RM-P101)
1-463-986-11	(AV900)....REMOTE COMMANDER (RM-U80)
1-501-224-00	ANTENNA, FEEDER
1-501-349-11	ANTENNA, LOOP
2-394-123-01	(AV900)...COVER, BATTERY
3-703-390-01	(US).........INSTRUCTION
3-795-433-31	(Canadian)...INSTRUCTION
3-769-912-21	MANUAL, INSTRUCTION
3-769-912-31	(Canadian)...MANUAL, INSTRUCTION
*3-704-346-01	SHEET (STANDARD), PROTECTION
4-922-048-01	(AV1000)...COVER, BATTERY
*4-925-024-01	CUSHION
*4-925-025-01	(AV1000)...INDIVIDUAL CARTON
*4-925-026-01	(AV900)....INDIVIDUAL CARTON

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note:** Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

STR-AV900/AV1000

SONY.
SERVICE MANUAL

US Model
Canadian Model

SUPPLEMENT-1

File this supplement with the Service Manaual.

Subject: Electrical Adjustments

ELECTRICAL ADJUSTMENTS

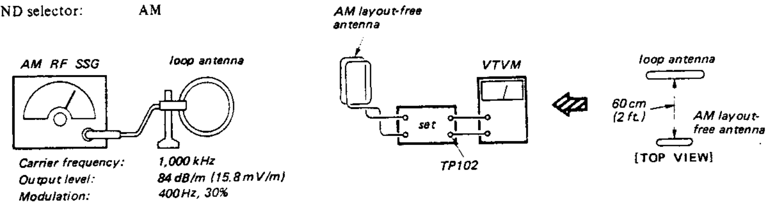
FE101 FM front-end and FE102 AM front-end are adjusted perfectly and are supplied as a unit for replacement.

AM SECTION

Tuned Level Adjustment

Setting:

FUNCTION selector: TUNER
BAND selector: AM



Carrier frequency: 1,000 kHz
Output level: 84 dB/m (15.8 mV/m)
Modulation: 400Hz, 30%

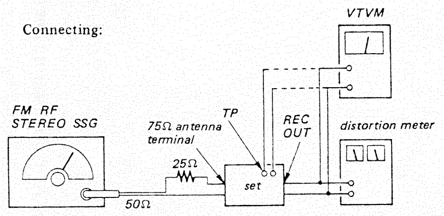
Procedure:

Adjust RT101 to the point where the voltage of TP102 turns from high level to low.

MICROFILM

FM SECTION

Connecting:


VTVM
FM RF
STEREO SSG
75Ω antenna terminal
TP
REC OUT
distortion meter
25Ω
set
50Ω

	Null & Mono Distortion	Stereo Separation	Muting Level
Carrier frequency	98.1 MHz		
Output level	60 dB (1 mV)		45 dB/20 dB
Modulation	1 kHz, 75 kHz deviation	1 kHz, 33.75 kHz deviation sub carrier 38 kHz, 33.75 kHz deviation pilot 19 kHz, 7.5 kHz deviation	1 kHz, 75 kHz deviation
Adjustment Location	T101/T102	RT104	RT102
Test Point (TP) or Jack	TP101/REC OUT	REC OUT	TP102

Null and Mono Distortion Adjustment

Setting:

FUNCTION selector: TUNER
BAND selector: FM
FM MODE: MONO

Procedure:

1. Tune the set to 98.1 MHz.
2. Adjust T101 so that the voltage of TP101 (Null) becomes 0 V. (within 0 ± 50mV)
3. Adjust T102 so that the distortion at REC OUT becomes minimum. (Not more than 0.05%)
4. Repeat the procedures 2. and 3. several times.

FM Muting Level Adjustment

Setting:

FUNCTION selector: TUNER
BAND selector: FM
FM MODE: MONO

Procedure:

1. Set the SSG output level to 45dB and turn RT102 so that the voltage of TP102 becomes low level.
2. Decrease the SSG output level to 20dB (10μV) and adjust RT102 to the place where the voltage of TP102 turns from low level to high.

Stereo Separation Adjustment

- This adjustment should be performed after Mono Distortion Adjustment.

Setting:

FUNCTION selector: TUNER
BAND selector: FM
FM MODE: STEREO

Procedure:

Tune the set to 98.1 MHz.

FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RT104 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RT104 for minimum reading.

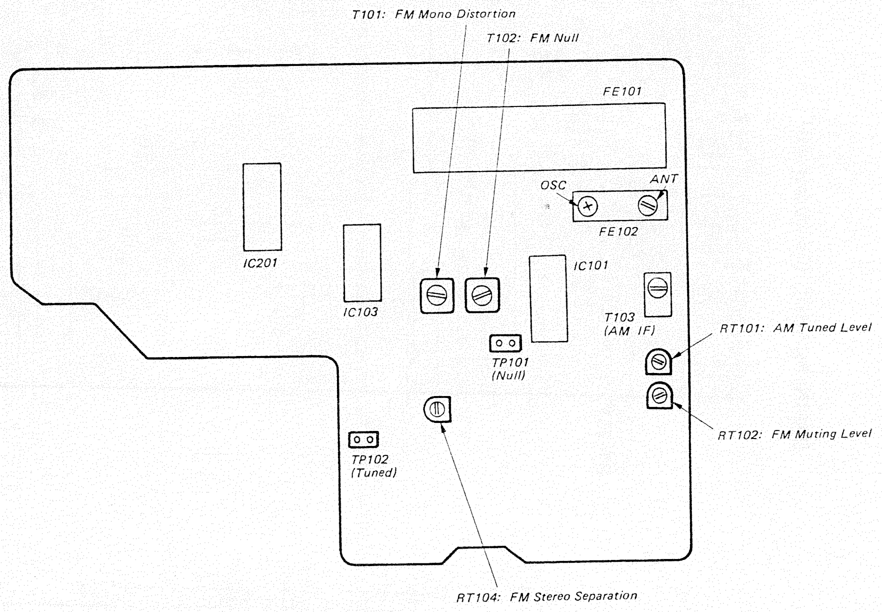
L-CH Stereo separation: Ⓐ − Ⓑ
R-CH Stereo separation: Ⓒ − Ⓓ
(≧40 dB)

The separations of both channels should be equal.

Adjustment Location:

AM SECTION
FM SECTION

[TUNER BOARD] (Component side)


T101: FM Mono Distortion
T102: FM Null
FE101
OSC
ANT
FE102
IC201
IC103
IC101
T103
(AM IF)
RT101: AM Tuned Level
TP101
(Null)
RT102: FM Muting Level
TP102
(Tuned)
RT104: FM Stereo Separation

—Continued to page 4—

AMP SECTION

DC Bias Adjustment

- Perform this adjustment after replacement of power amp or drive circuit transistors.

Setting:

VOLUME: 0
SPEAKERS: OFF (no load)

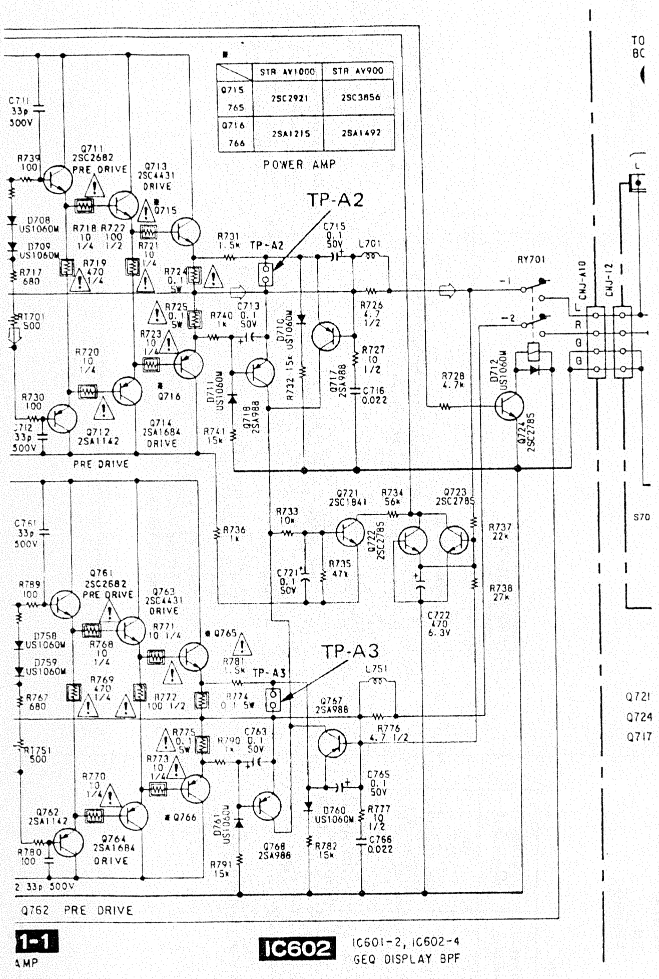
Procedures:

1. Connect the digital voltmeter to Bias Test Point (TP-A2: L-CH, TP-A3: R-CH)
2. Increase the AC power voltage gradually to 120V confirming that the voltmeter will not indicate an abnormal value.
3. Confirm that the display is normal.
4. Adjust RT701 (L-ch) or RT751 (R-ch) so that the reading on the voltmeter becomes 0.01mV within 30 seconds after the power turned on.

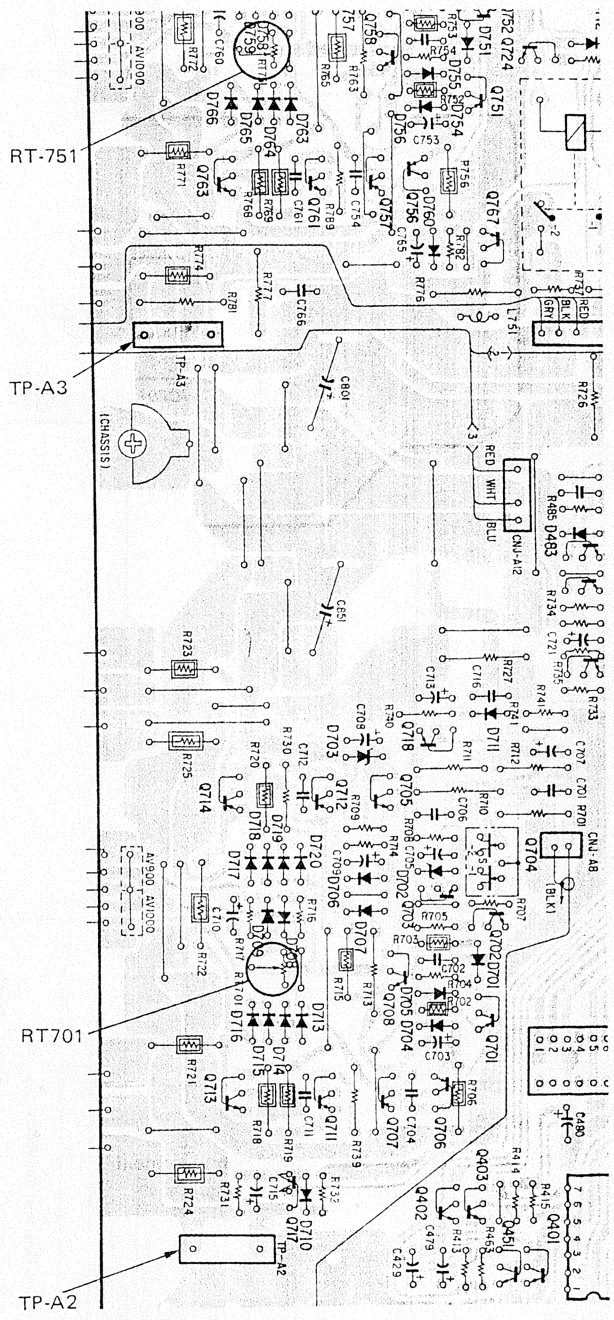
Note: It is normal that the voltage will increase as time passes.

5. Turn the power off and remove the digital voltmeter.

AMP SECTION


STR AV1000
STR AV900
Q715 765 2SC2921 2SC3856
Q716 766 2SA1215 2SA1492
POWER AMP
TP-A2
TP-A3
Q711 2SC2682 PRE DRIVE
Q713 2SC4431 DRIVE
Q712 2SA1142
Q714 2SA1684 DRIVE
PRE DRIVE
Q721 2SC1841
Q722 2SC2785
Q723 2SC2785
Q717 2SA988
Q724 2SC2785
Q761 2SC2682 PRE DRIVE
Q763 2SC4431 DRIVE
Q762 2SA1142
Q764 2SA1684 DRIVE
Q762 PRE DRIVE
Q767 2SA988
Q768 2SA988
RY701
CNJ-A10
CNJ-12
L701
L751
D708 US1060M
D709 US1060M
D758 US1060M
D759 US1060M
D760 US1060M
1-1
AMP
IC602
IC601-2, IC602-4
GEQ DISPLAY BPF

[MAIN BOARD] (Conductor side)


RT-751
TP-A3
RT701
TP-A2
(CHASSIS)
CNJ-A12
CNJ-A8
RED
WHT
BLU
GRY
BLK
AV900
AV1000

9-953-169-81

Sony Corporation
Audio Group

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Published by A/V Engineering Service Dept.

STR-AV900/AV1000

SONY

SERVICE MANUAL

US Model
Canadian Model

SUPPLEMENT-2

File this supplement with the Service Manual.

- The STR-AV1000 PX model has been on sale additionally to the US, Canadian models.
- This Supplement only contains the differences between the PX and US models.
- Refer to the STR-AV900/AV1000 Service Manual previously issued for the related information not contained in this Supplement.

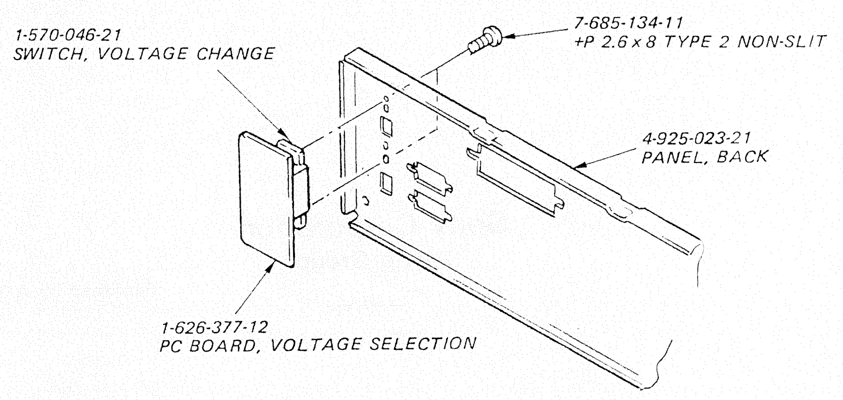
- Only following parts differ from those in STR-AV900/AV1000.

Page	Item/Ref.No.	Part No.	Description
29.30	903	A-4394-506-A	MOUNTED PCB, POWER SUPPLY (2)
29.30	919	1-535-141-00	BASE POST 22MM (10MM PITCH) 4P
29.30	CNP801	1-555-465-00	CORD, POWER
29.30	T801	1-449-253-11	TRANSFORMER, POWER
39	T820	1-448-523-11	TRANSFORMER, POWER
39	VZ821	1-807-180-11	VARISTOR SNR-14A300K
39	———	4-925-075-01	INSTRUCTION CARTON

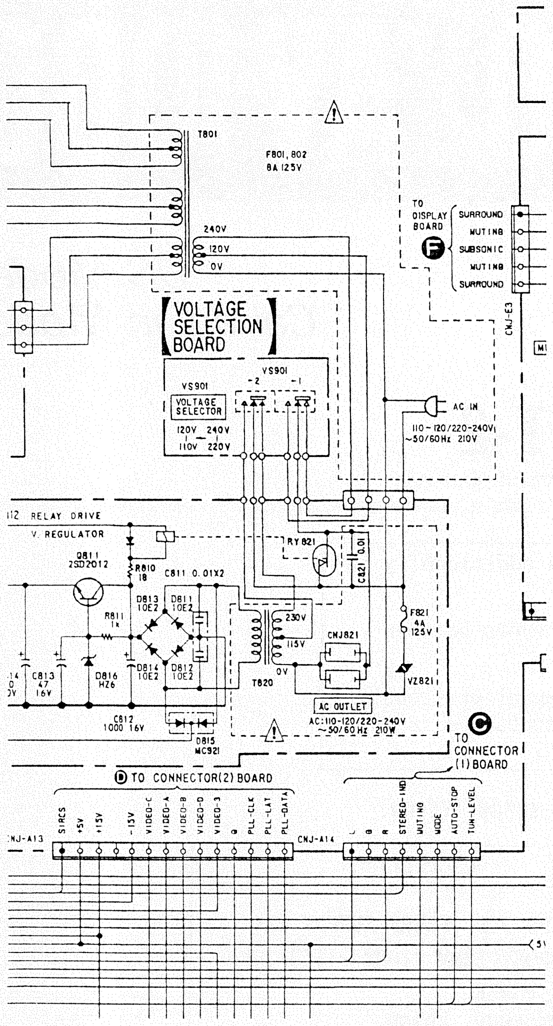
- The following parts are not used in STR-AV1000: PX model.

Page	No.	Part No.	Description
38	R821	1-202-725-91	RES SOLID 3.30M
39	——	4-925-069-01	INDIVIDUAL CARTON

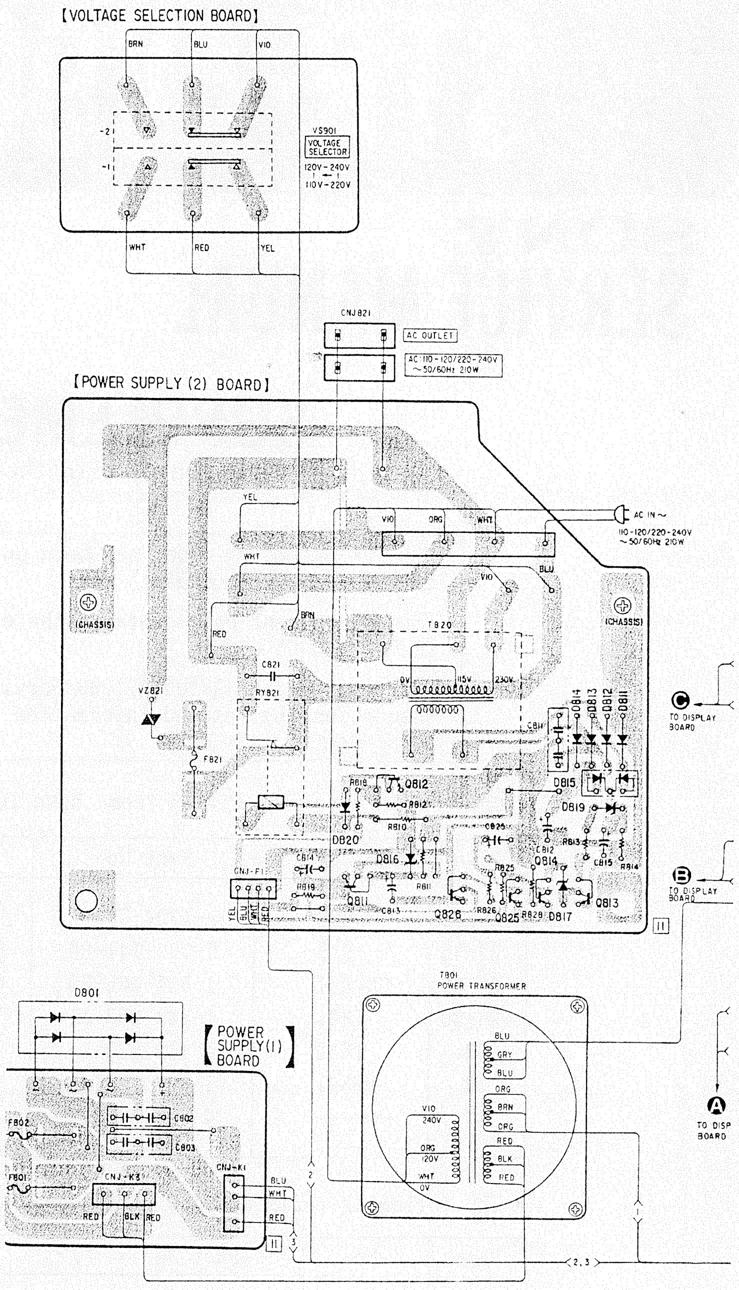
Page 29


1-570-046-21
SWITCH, VOLTAGE CHANGE
7-685-134-11
+P 2.6 x 8 TYPE 2 NON-SLIT
4-925-023-21
PANEL, BACK
1-626-377-12
PC BOARD, VOLTAGE SELECTION

【SCHEMATIC DIAGRAM】


T801
F801, 802
8A 125V
240V
120V
0V
TO DISPLAY BOARD
F
SURROUND
MUTING
SUBSONIC
MUTING
SURROUND
CNJ-E3
VOLTAGE SELECTION BOARD
VS901
VOLTAGE SELECTOR
120V 240V
110V 220V
AC IN
110-120/220-240V
~50/60Hz 210V
RELAY DRIVE
V. REGULATOR
Q811
2SD2012
R810
18
C811 0.01X2
RY821
C821 0.01
R811
1k
D813 10E2
D811 10E2
230V
115V
CNJ821
F821
4A
125V
D814 10E2
D812 10E2
0V
T820
VZ821
C813
47
16V
D816
HZ6
C812
1000 16V
D815
MC921
AC OUTLET
AC:110-120/220-240V
~50/60Hz 210W
C
TO CONNECTOR (1) BOARD
D TO CONNECTOR (2) BOARD
CNJ-A13
SIRCS
+5V
+15V
-15V
VIDEO-C
VIDEO-A
VIDEO-B
VIDEO-D
VIDEO-E
PLL-CLK
PLL-LAT
PLL-DATA
CNJ-A14
STEREO-IND
MUTING
WIDE
AUTO-STOP
TUN-LEVEL

【PRINTED WIRING BOARD】


【VOLTAGE SELECTION BOARD】

【POWER SUPPLY (2) BOARD】

【POWER SUPPLY (1) BOARD】

BRN
BLU
VIO
VS901
VOLTAGE SELECTOR
120V-240V
110V-220V
WHT
RED
YEL
CNJ821
AC OUTLET
AC 110-120/220-240V
~50/60Hz 210W
AC IN
110-120/220-240V
~50/60Hz 210W
ORG
(CHASSIS)
T820
0V
115V
230V
C821
RY821
VZ821
F821
D814
D813
D812
D811
C811
D815
Q812
R812
R810
D819
D820
D816
C825
C812
Q814
R813
C815
R814
CNJ-F1
C814
R816
Q811
C813
R811
R825
R826
Q826
Q825
R828
D817
Q813
C
TO DISPLAY BOARD
B
TO DISPLAY BOARD
T801
POWER TRANSFORMER
GRY
BLK
240V
120V
A
TO DISP BOARD
D801
F802
F801
C802
C903
CNJ-K3
CNJ-K1
2,3

Sony Corporation
Audio Group

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